AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. Contract Number	Page of Pages 1 | 1

2. Amendment/Modification Number	3. Effective Date	4. Requisition/Purchase Request No.	5. Solicitation Caption
DCAM-2007-B-0104-002	9-Oct-07		**See below**

6. Issued By: Code 03B
Office of Contracting and Procurement
Construction, Design and Building Renovation Commodity Group
441 4th Street N.W., Suite 700 South
Washington, D.C. 20001

7. Administered By (If other than line 6)
Office of Contracting and Procurement
2000 14th Street, N.W., 3rd Floor
Washington, D.C. 20009

8. Name and Address of Contractor (No. Street, city, country, state and ZIP Code)

Code | Facility

(X) 9A. Amendment of Solicitation No. **DCAM-2007-B-0104**

9B. Dated (See Item 11) 16-Aug-07

10A. Modification of Contract/Order No.

10B. Dated (See Item 13)

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[ ] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [X] is extended. [ ] is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 2 copy of the amendment: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or fax, provided each letter or telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (If Required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14

(X) A. This change order is issued pursuant to: (Specify Authority)
The changes set forth in Item 14 are made in the contract/order no. in item 10A.

B. The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in item 14, pursuant to the authority of 27 DCMR, Chapter 36, Section 3601.2.

C. This supplemental agreement is entered into pursuant to authority of:

D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor [ ] is not, [x] is required to sign this document and return 2 copy to the issuing office.

14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.)

Caption: Doors and Windows Replacement at Emery Shelter

Pursuant to Article 3, Changes Clause of the General Provisions (Construction Contract). Government of the District of Columbia District of Columbia Standard Contract Provisions For Use With Specifications for District of Columbia Construction Projects 1973, the subject solicitation is hereby amended as follows:

1. The opening date for receipt of bids is hereby changed from October 12, 2007 by 2:00 p.m. local time to November 9, 2007 by 2:00 p.m. local time.

2. Pages 1 through 18, Section 17185, Lead-Based Painted Abatement Specifications is hereby incorporated and made a part of this solicitation as Attachment J.1.2A.

Except as provided herein, all terms and conditions of the document referenced in Item (9A or 10A) remain unchanged and in full force and effect

15A. Name and Title of Signer (Type or print)		16A. Name of Contracting Officer **Diane Wooden**	
15B. Name of Contractor (Signature of person authorized to sign)	15C. Date Signed	16B. District of Columbia Diane Wooden (Signature of Contracting Officer)	16C. Date Signed 10/9/07

ATTACHMENT J.1.2A

Section 17185 – Lead-Based Painted Abatement Specifications

SECTION 17185 LEAD-BASED PAINTED ABATEMENT

PART I - GENERAL

1.01 DESCRIPTION OF WORK

A. The work required by this Section includes furnishing all required labor, equipment, materials, and transportation necessary for the proper and safe removal, handling, and disposal of lead-based paint. This specification was limited to the exterior renovation of the building. The scope also includes all work necessary to reduce or eliminate lead exposure during and after the lead abatement process and throughout the life of the contract. Lead-based paint activities shall be removed in accordance with all EPA, OSHA, DOT and District of Columbia regulations.

B. Lead base paint was found in the interior and exterior of the building. These components and their locations are listed in Table 1 and 2 below.

C. Contractors are responsible for field review of quantities and condition of lead-base paint components.

D. Special cautions must be taken to protect the lead based paint components during exterior masonry work.

Table 1
Positive Exterior Lead-Based Paint Results
Emery Shelter
1725 Lincoln Road, NW
Washington DC

Building	Floor	Components/Location	Substrate	Color
Emery Shelter	1	Windows/Exteriors/Throughout	Wood	Cream
Emery Shelter	1	Vents/ Exteriors/Throughout	Metal	Cream
Emery Shelter	1	Column/Exteriors/West	Wood	Cream and Tan
Emery Shelter	1	Porch Wall/ Exterior/West	Wood	Tan and Cream
Emery Shelter	Roof	Dental Molding/ Exteriors/Throughout	Metal	White
Emery Shelter	Roof	Roof/Exteriors	Metal	Silver
Emery Shelter	1	Down Spout/ Exteriors/Throughout	Metal	Green
Emery Shelter	Roof	Overhang/Exteriors/Throughout	Metal	White
Emery Shelter	Roof	Skylight/Exteriors/ Roof	Metal	Silver
Emery Shelter	1	Porch Ceiling/Exteriors/ West	Wood	Cream and Tan
Emery Shelter	Roof	Roof Box/Exteriors	Metal	Silver

Table 2
Positive Interior Lead-Based Paint Results

Emery Shelter
1725 Lincoln Road,NW
Washington DC

Building	Floor	Components/Location	Substrate	Color
Emery Shelter	2	Hatch Door to Attic/ Interior/ 2 Floor	Wood	Tan
Emery Shelter	2	Ladder to Attic/ Interior/ 2 Floor	Wood	Cream
Emery Shelter	2	Ladder Casing/ Interior/ 2 Floor	Wood	Cream
Emery Shelter	1	Wall/ Interior/Throughout	Wood	Tan and Cream
Emery Shelter	1	Picture Molding Wall/Interior/Throughout	Wood	Tan and Cream
Emery Shelter	1	Chair Rail/Interior/Throughout	Wood	Tan and Cream
Emery Shelter	1	Baseboard/Interiors/Throughout	Wood	Tan and Cream

1.02 QUALITY ASSURANCE

A. Contractor Qualifications: The Contractor shall be a firm of established reputation (or if newly organized, whose personnel have previously established a reputation in the same field), which is regularly engaged in, and which maintains a regular force of workers skilled in lead-based paint abatement, and shall have performed this work on previous projects.

1. Contractors performing lead based paint activities are required to have current certification to do lead-based paint abatement work in the District of Columbia (D.C. ACT 11-438 Sec 6). The contractor shall comply with the licensing regulations of the District of Columbia Department of Health.

2. Contractor employees assigned to active lead-based paint work areas shall have, and demonstrate current District of Columbia certification and training as an lead worker (D.C. ACT 11-438 Sec 6).

3. Pursuant to District of Columbia Department of Health requirements, the contractor should provide appropriate written notification at least ten (10) days prior to the start of lead-based paint abatement work.

B. Lead Control Limits: The enclosed work areas shall be defined as a regulated area in accordance with 29 CFR 1926.62

1. Inside Lead Work Area: Regardless of respirator protection worn, air concentrations inside the work area will not exceed an 8-hour time weighted average of 30 ug/m3. If concentrations exceed 30 ug/m^3, the contractor shall reevaluate work practices to lower exposure concentrations. Contractor shall reevaluate work practices and containment configuration if inside air monitoring is void due to excess particulate.

2. Outside Lead Work Area: Lead exposure outside the work area shall not exceed 30 ug/m^3. If 30 ug/m^3 of air is reached or exceeded, stop work, correct the conditions causing the increased levels. Notify the Contracting Officer immediately. Removal shall resume only after the CO gives approval.

C. Testing Laboratory:

1. Submit the name, address, and telephone number of the testing laboratory selected to perform the personal air and reporting of airborne concentration of lead. The laboratory shall be participating in the EPA National Lead Laboratory Accreditation Program (NLLAP) and is successfully participating in the Environmental Lead Proficiency Analytical Testing (ELPAT) program to perform sample analysis.

1.03 REFERENCES

A. 29 CFR 1910.1025: OSHA General Industry for Lead

29 CFR 1926: OSHA Construction

29 CFR 1926.62: OSHA Lead in Construction

40 CFR 260-299: EPA Resource Conservation and Recovery Act

40 CFR 300-399: EPA Comprehensive Environmental Response Compensation and Liability Act

49 CFR 171-180: DOT Hazardous Material Regulations

B. DC Law 11-221 Lead-Based Paint Abatement and Control Act of 1996

1.04 SUBMITTALS

A. The following submittals are required to be approved by the Contracting Officer(CO) or designated representative (COR) prior to bid award:

1. Names and qualifications (experience and training) of supervisor and personnel who will be working on-site.

2. Evidence of current training in LBP abatement by an EPA or State accredited program, or equivalent. Evidence of successful completion of LBP worker training, describing the training provider, subject matter, duration, and dates of the course.

3. Name and qualifications of analytical laboratory used to profile wastes.

4. Name and qualifications of each contractor that will be transporting, storing, treating, and disposing of the wastes. Include the facility location and a 24-hour point of contact.

5. Liability insurance coverage for lead-based paintwork with an occurrence limit of $2,000,000.

B. The following submittals are required to be approved after award, but prior to beginning of work:

1. Detailed site-specific, lead-based paint compliance plan in accordance with 29 CFR 1926.62.

2. Plan of Action: Submit a detailed plan of the procedures proposed for use in complying with the requirements and regulations included in this specification. The plan shall include the location and layout of decontamination areas, the sequencing of lead based paint work, the interface of trades involved in the performance of work, methods to be used to assure the safety of building occupants and visitors to the site. Expand upon the use of portable HEPA ventilation system, closing out of the building's HVAC system and electrical system during removal, method of removal to prohibit emissions in work area.

3. Methods and materials for lead-based paint removal and removal of building components with lead-based paint.

4. Methods and materials for enclosure, dust control, and dust collection.

5. Work plan for waste containment, removal, and disposal.

C. The following submittals are required to be submitted to the CO or COR after completion of work:

1. All sample results

2. Waste disposal receipts (manifests and Certificates of Destruction).

1.05 CONTRACTOR RESPONSIBILITY: The Contractor shall assume full responsibility and liability for compliance with all applicable Federal, State, and local regulations pertaining to the protection of workers, visitors to the site, and persons occupying the rest of the site. The Contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by the applicable Federal, State, and local regulations, and shall hold the government harmless for failure to comply with any applicable safety or health regulation on the part of himself, his employees, or his subcontractors.

Contractor shall participate in a pre-abatement conference with District of Columbia personnel and be prepared to present lead and other hazardous materials information such as containment procedures, air monitoring procedures, health and safety protection issues, etc.

1.06 PROJECT/SITE CONDITIONS:

A. Means of Egress: Establish and maintain emergency and fire exits from the work area.

B. Use of Existing Facilities: Use of existing toilets, showers, and/or other similar facilities as decontamination areas is prohibited.

C. Maintenance of Existing Equipment: Damage to existing equipment to remain shall be repaired by the Contractor as approved by the Contracting Officer with no additional expense to the District of Columbia.

D. Comply with OSHA regulations regarding construction 29 CFR 1926 such as illumination, hard hats, safety glasses, etc.

E. Decontamination Facility: Throughout the time that lead removal is taking place, the abatement contractor will maintain a working decontamination facility.

F. Access to Work Area: Access to work areas shall be through decontamination areas. The following persons shall have access to the work area:

1. Contracting Officer or Designated Representative

2. Safety & Environmental Management Personnel representing the District of Columbia

3. OSHA Inspectors

4. EPA Inspectors

5. Local Building or Health Officials

PART 2 – PRODUCTS

2.01 MATERIALS

A. Liquid paint remover: Remover shall be a type recommended by the manufacturer for removing paint from each substrate without causing undue damage to the substrate. Materials used are to be of limited toxicity, volatility, and flammability. A material safety data sheet (MSDS) and other appropriate product information for all removers proposed for use shall be submitted to the CO for approval (as required by 1.02 above). No products containing methylene chloride may be used.

B. Vacuums: All vacuums used during and adhesive removal shall be equipped with HEPA filters conforming to ANSI Z9.2 1979

C. Plastic: Plastic or Polyethylene Sheet of 4-mil and 6-mil thickness shall be provided in rolls of sizes that will minimize the frequency of joints. Fire-retardant polyethylene shall be used in all gross removal areas.

D. Duct Tape: Duct tape shall be capable of sealing joints of adjacent sheets of plastic and of attaching plastic sheeting to finished surfaces without damage to existing finish and shall be capable of adhering under both dry and wet conditions, including use of amended water.

E. Air Filtration Device (AFD): For work area air filtration, high efficiency particulate air (HEPA) filtration systems equipped with filtration equipment which complies with ANSI Z9.2. shall be provided. Air movement systems or air filtering equipment shall not discharge unfiltered air outside the work area. A sufficient quantity of AFDs shall be used in order to provide one workplace air change every 15 minutes. To calculate the minimum total air flow movement:

$$\text{Total Cubic Feet Per Minute (CFM)} = \frac{\text{Vol. of work area in ft}^3}{\text{15 minutes}}$$

To calculate the minimum number of units needed for the abatement:

$$\text{No. of units needed} = \frac{\text{Total CFM}}{\text{capacity of AFD in CFM}}$$

F. Silicone Sealant: Silicone Sealant shall be single component, solvent curing silicone sealant with 25% elongation capacity, -65°F to 450°F service range. Sealant shall be used to seal space around pipes when constructing a permanent barrier air seal. Sealant membrane shall be not less than 1/8" and not greater than 3/8" thick. Sealant shall be applied against a backer rod, fiberglass mat, or other suitable backup material. Sealant application shall be according to the manufactures written instructions.

G. Caulking Sealant: Caulking sealant shall be single component, non-sag elastomer with 1600% elongation capacity. Sealant shall meet the requirements of Federal Specification TT-S-00230C, Class A Type II. Sealant shall be used to form an airtight seal around plywood barriers or temporary partitions, to seal along the seams of the decontamination enclosure system's plywood sheathing, and to seal around piping or other small penetrations of the work area. Sealant application shall be according to the manufactures written instructions.

H. Insulation Cement: Insulation Cement shall be ASTM C 195 (100°F to 1,600°F), mineral fiber, with a thermal conductivity 0.85 maximum at 200°F mean when tested per ASTM C 177.

I. Foam Sealant: Foam Sealant shall be expanding urethane foam sealant with an ASTM E-162 flame spread index of 25 or less and an operating temperature range between -30°F and 250°F.

J. Spray Adhesive: Spray Aerosol Adhesive shall be specially formulated to stick to sheet polyethylene (3M 76, 3M 77 or equivalent).

K. Disposal Bags: Plastic Disposal Bags shall be a minimum of six mils in thickness. Bags shall be labeled in accordance with Subparagraph "Warning Labels" of this Section.

L. Warning Signs: Warning Signs shall be posted at the perimeter of the work area prior to abatement operations in accordance with OSHA 29 CFR 1926.62. The signs shall display the legend indicated below:

WARNING
LEAD WORK AREA
POISON
NO SMOKING OR EATING
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE
CLOTHING ARE REQUIRED IN THIS AREA

M. Warning Labels: Warning Labels shall be permanently affixed to all bags and containers containing lead-based paint in accordance with EPA Standard 40 CFR 262.30 – 262.34

2.02 RESPIRATORS AND PROTECTIVE CLOTHING

Respirators shall have high efficiency particulate air (HEPA) filters and appropriate cartridges for any other hazardous airborne contaminants encountered. At a minimum,

workers should wear full-body disposable coveralls including shoe coverings and gloves. Use special precautions if chemical strippers will be used (appropriate clothing, gloves, and face shields per MSDS recommendations). The Contractor shall place disposable coveralls in abatement waste on a daily basis. All other OSHA requirements such as hard hats, safety hood, or eye protection shall be worn as appropriate. All workers shall be trained concerning the hazards of lead and good personal hygiene, such as no eating/drinking in the work area, and washing hands, face, etc. when leaving the work area.

2.03 DECONTAMINATION ENCLOSURE SYSTEMS

A. The Contractor shall provide a personnel decontamination enclosure system, and an equipment decontamination enclosure system in accordance with OSHA Standard 29 CFR 1926.62, and as specified herein.

B. Structure: Use modular systems, or build using wood or metal frame studs, joists, and rafters placed at a maximum of 24 inches on-center. Interior shall be sheathed with plywood and caulked or taped airtight at joints and seams. Interior and exterior shall be lined with two layers of 6-mil plastic sheeting, with a minimum overlap of 16 inches at seams and sealed airtight by tape and adhesive. If the decontamination enclosure system is constructed outside of a building, the exterior shall be covered with plywood and the structure made weatherproof. The structure shall be capable of withstanding a minimum lateral wind load of 20 pounds/ft^2. The roof of the structure shall be capable of supporting a minimum live load of 25 pounds/ft^2. The Contractor shall ensure compliance with local building codes and other regulations governing temporary structures.

C. Curtained Doorways: Two overlapping sheets of 6-mil polyethylene shall be placed over a framed doorway and secured along the top of the doorway. Secure the vertical edge of the outer sheet along one vertical side of the doorway and the vertical edge of the second sheet along the opposite vertical side of the doorway. The sheets shall be weighted at the bottom so that they close quickly after being released.

D. Decontamination Enclosure System: This system shall be the only entrance/exit for the work area. The decontamination enclosure system shall be placed adjacent to the work area and shall consist of three totally enclosed chambers and a gross clean-up system as follows:

1. Equipment Room: The equipment room shall have a curtained doorway to separate it from the work area (the workers' gross clean-up area), and share a common air lock with the shower room. The equipment room shall be large enough to accommodate at least one worker (allowing him enough room to remove his protective clothing and footwear), a 6-mil disposal bag in an impermeable container, and any other equipment, which the Contractor wishes to store when not in use.

2. Shower Room: The shower room shall have two adjacent air locks, one that separates it from the equipment room and one that separates it from the clean room. The shower room shall contain at least one shower with hot and cold water

per eight workers. Careful attention shall be given to the shower to ensure against leaking of any kind. The Contractor shall supply shampoo and soap in the shower room at all times.

3. Clean Room: The clean room shall share a common air lock with the shower room and shall have a curtained doorway to separate it from outside non-contaminated areas. The clean room shall be sized to adequately accommodate the work crew. Benches for seating, lockable lockers for storage of workers' street clothing, shelves for storing respirators, and a location for postings shall be provided in this area. Clean disposable clothing, replacement filters for respirators, clean dry towels, and other necessary items shall also be provided in the clean room. A hinged, lockable door shall be placed at the entrance into the clean room to prevent unauthorized access into the work area. The clean room shall not be used for storage of tools, equipment, or materials, or as office space.

E. Decontamination Enclosure System Utilities: The Contractor shall provide lighting, heat, and electricity as necessary and as specified herein.

2.04 DECONTAMINATION MINI ENCLOSURE SYSTEMS

A. The Contractor shall provide a personnel one stage decontamination unit.

B. Structure: Use modular systems, or build using wood or metal frame studs, joists, and rafters placed at a maximum of 24 inches on-center. Interior shall be sheathed with plywood and caulked or taped airtight at joints and seams. Interior and exterior shall be lined with two layers of 6-mil plastic sheeting. If the decontamination enclosure system is constructed outside of a building, the exterior shall be covered with plywood and the structure made weatherproof. The structure shall be capable of withstanding a minimum lateral wind load of 20 pounds/ft^2. The roof of the structure shall be capable of supporting a minimum live load of 25 pounds/ft^2. The Contractor shall ensure compliance with local building codes and other regulations governing temporary structures.

C. Curtained Doorways: One overlapping sheets of 6-mil polyethylene shall be placed over a framed doorway and secured along the top of the doorway. Secure the vertical edge of the outer sheet along one vertical side of the doorway and the vertical edge of the second sheet along the opposite vertical side of the doorway.

D. Personnel One Stage Decontamination Unit: This system shall be placed near the work area. The decontamination unit shall consist of one totally enclosed chamber as follows:

1. One Stage Decontamination Unit shall be large enough to accommodate at least one worker. The unit shall be equipped with a 6-mil disposal bag for disposable suits, disposable towels and a wash facility.

PART 3 – EXECUTION

3.01 PERSONNEL PROTECTION AND DECONTAMINATION PROCEDURES

A. General: The Contractor shall take all safety measures and precautions necessary to protect his employees and building occupants in accordance with all OSHA, EPA, DOT and District of Columbia regulations. The Contractor shall be solely responsible for enforcing personnel protection requirements.

B. Worker Respiratory Protection: With approval from the CO, historical lead exposure level data may serve as the basis for selection of the level of respiratory protection to be used for the time interval prior to the Contractor establishing the 8-hour time weighted average (TWA) for an abatement task. Historical data provided by the Contractor shall be based on personal air monitoring of the "breathing zone" of his employees for other lead abatement projects within the past 12 months, and the data were obtained during work operations conducted under workplace conditions closely resembling the processes, type of material, control methods, work practices, and environmental conditions used and prevailing in the Contractor's current operations. Documentation of aforementioned results shall be presented to the CO for review of applicability. (See "Submittals, Pre-work Information". See the Appendix for the Respiratory Protection Justification Form.) This will not relieve the Contractor in providing personal air monitoring to determine the TWA for the work under contract. The TWA shall be determined in accordance with 29 CFR 1926.62. After the TWA is established the Contractor may furnish respirators as presented in the specifications. In lieu of historical data the Contractor shall furnish for use by his workers Type C supplied air pressure demand respirators for each different work activity until the Contractor determines the TWA. After the TWA is established the Contractor may furnish respirators as presented in the specifications.

C. Work Exiting Procedures: Whenever personnel exit the lead- controlled area, they shall perform the following procedures and shall not leave the work place wearing any clothing or equipment worn in the control area.

1. Vacuum all clothing before entering the contaminated equipment room.

2. Remove protective clothing in the contaminated equipment room, and place them in an impermeable disposal bag.

3. Shower

4. Change to clean clothes prior to leaving the clean room.

D. Decontamination of Impermeable Containers and Plastic Disposal Bags: The following procedure shall be used when removing lead-base paint from the work area:

1. Lead-base paint materials that are likely to puncture plastic disposal bags shall be placed in shipping containers for handling and transport to disposal site.

2. Move lead-base paint waste from the work area to the on-site closed waste trailer at the end of each workday. Contractor shall ensure that all lead-base paint waste be removed in a manner with does not puncture bags during the transport from the work area to waste trailer.

3.02 PREPARATION OF WORK AREA

A. Non-Contained Work Area: In areas where the construction of a sealed, enclosed work area is impracticable, the following preparations shall be performed:

1. Provide a roped-off perimeter around the area where the lead-based paint is to be removed and handled. Post notices and warning signs around the perimeter of the work area.

2. Cover all horizontal surfaces below components being removed with one layer of 6-mil plastic sheeting.

3. Provide a decontamination enclosure system adjacent to the work area, in accordance with Paragraph "Decontamination Mini enclosure Systems" of this Section

B. Contained Work Area: In areas where the construction of a sealed, enclosed work area is impracticable, the following preparations shall be performed:

1. Provide a roped-off perimeter around the area where the lead-based paint is to be removed and handled. Post notices and warning signs around the perimeter of the work area.

2. Provide a decontamination enclosure system adjacent to the work area, in accordance with Section 2.04 Decontamination Enclosure Systems and Section 2.01 Materials E.

3. Provide a system to collect all water used by the Contractor. Collected water shall be passed through a water filtration system prior to being discharged into the sanitary sewer.

4. Seal with 6 mil plastic and tape all doorways, windows, vents and other openings in the walls of the facility adjacent to the work.

5. Two layer of plastic 6-mil sheeting shall be placed on entire floor.

6. Negative air machines shall be outside the building and away from building ventilation intakes.

7. When eyes may be exposed to corrosive materials an eye wash station inside the work area shall be set-up to quickly drench or flush eyes.

3.03 PRE-REMOVAL INSPECTION

A. Prior to removal of any lead-based paint activities the CO shall perform a pre-removal inspection. The Contracting Representative shall be notified 24 hours prior to the inspection. Posting of warning signs, construction of temporary partitions, plasticizing of work area, building of personnel and equipment decontamination enclosure systems, and all other preparatory steps shall have been taken prior to notification of the CO. The

Contractor shall not begin lead-based paint activities until the CO approves the work area preparations.

3.04 MAINTENANCE OF ENCLOSED WORK AREA AND DECONTAMINATION ENCLOSURES

A. Ensure that barriers and plastic linings are effectively sealed and taped. Repair damaged barriers and remedy defects immediately upon their discovery. Visually inspect enclosures at the beginning and end of each work period.

B. Thoroughly clean the decontamination enclosure systems at the end of each 8-hour work shift, and more frequently if required.

3.05 LEAD- BASED PAINT COMPONENT REPLACEMENT REMOVAL

A. Lead-based paint component replacement removal: For removal of lead-based paint components, prepare work area as described in 2.05 Mini Decontamination Enclosure System, 3.01 Personal Protection and Decontamination Procedures and 3.02 A Preparation of Work Area. The Contractor shall use methods and equipment, which will keep the lead exposure during removal operations at or below 30 ug/m3.

1. Lead-based paint components shall be removed in a manner which eliminates and minimizes the exposure of lead.

2. A layer of 6 mil plastic sheets shall be placed on the interior floor and exterior ground of the building component.

3. All components shall be wetted with water mist prior to removal to minimize dust generation.

4. Manually remove components.

5. Components shall be wrapped in 6 mil plastic sheets and labeled.

6. Cleanup: Wet sweeping and HEPA vacuuming shall be employed after removal of each component.

3.06 LEAD- BASED PAINT OFF SITE REMOVAL

A. Lead-based paint component removed to a off site facility: For removal of lead-based paint components, prepare work area as described in 2.05 Mini Decontamination Enclosure System, 3.01 Personal Protection and Decontamination Procedures and 3.02 A Preparation of Work Area. The Contractor shall use methods and equipment, which will keep the lead exposure during removal operations at or below 30 ug/m3.

1. Lead-based paint components shall be removed in a manner which eliminates and minimizes the exposure of lead.

2. A layer of 6 mil plastic sheets shall be placed on the interior floor and exterior ground of the building component.

3. All components shall be wetted with water mist prior to removal to minimize dust generation.

4. Manually remove components.

5. Components shall be wrapped in 6 mil plastic sheets and labeled.

6. Cleanup: Wet sweeping and HEPA vacuuming shall be employed after removal of each component.

7. Chemical removers used off site shall not contain methylene chloriode.

8. Chemical removers used off site shall be tested to ensure that they are compatible with the substrate and with neutralizers.

9. The contractor shall be responsible for protecting its employees from exposure to the chemical removers and shall comply with all applicable OSHA regulations.

10. The contractor shall be responsible for the proper disposal of all waste generated by the off site removal operation.

3.07 REMOVAL OF LEAD- BASED PAINT MATERIAL

A. Lead-based paint removal by heat gun, wet scraping, chemical paint removers on-site, power sanding and grinding tools. All manual and power sanding and grinding tools are not permitted unless equipped with HEPA vacuum attachments. For removal of lead-based paint by manual, mechanical and thermal cutting, prepare work area as described in 2.04 Decontamination Enclosure System, 3.01 Personal Protection and Decontamination Procedures and 3.02 B Preparation of Work Area. Also, for removal of all lead-based paint, prepare work areas and personal protection in accordance with all OSHA, EPA and District of Columbia regulations. The Contractor shall use methods and equipment, which will keep the lead exposure during removal operations at or below 30 ug/m3.

1. Lead-based paint components shall be removed in a manner which eliminates and minimizes the exposure of lead.

2. The CO must approve all lead-based paint removal methods as listed on Section1.04 B.

3.08 REMOVAL OF LEAD- BASED PAINT MATERIAL BY COMPONENT

A. Demolition of lead-based paint component. Remove all component with hand tools or tools equipped with HEPA vacuum attachments. For removal of lead-based paint

components manual, prepare work area as described in 2.04 Decontamination Enclosure System, 3.01 Personal Protection and Decontamination Procedures and 3.02 B Preparation of Work Area. Also, for removal of all lead-based paint, prepare work areas and personal protection in accordance with all OSHA, EPA and District of Columbia regulations. The Contractor shall use methods and equipment, which will keep the lead exposure during removal operations at or below 30 ug/m3.

1. Lead-based paint components shall be removed in a manner which eliminates and minimizes the exposure of lead.

2. The CO must approve all lead-based paint removal methods as listed on Section1.04 B.

3.09 REMOVAL OF LEAD- BASED PAINT MATERIAL BY BLASTING

A. Lead-based paint removal by on-site, abrasive blasting, shot blasting. All manual and power sanding and grinding tools are not permitted unless equipped with HEPA vacuum attachments. For removal of lead-based paint by abrasive blasting or shot blasting prepare work area as described in 2.04 Decontamination Enclosure System, 3.01 Personal Protection and Decontamination Procedures and 3.02 B Preparation of Work Area. Also, for removal of all lead-based paint, prepare work areas and personal protection in accordance with all OSHA, EPA and District of Columbia regulations. The Contractor shall use methods and equipment, which will keep the lead exposure during removal operations at or below 30 ug/m3.

1. Lead-based paint components shall be removed in a manner which eliminates and minimizes the exposure of lead.

2. When the abrasive blast system is used to remove lead-based paint, a 20,000 CFM dust collector must be used to maintain one air change per minute inside the work area.

3. The CO must approve all lead-based paint removal methods as listed on Section1.04 B.

3.10 CLEANUP AND CLEARANCE TESTING OF WORK AREAS

A. Procedure for areas before and after removal: For work areas the following shall be conducted in accordance with the four-step procedure described below.

Step 1. Pre wipe and/or soil sample Inside building/Outside building

Step 2. Removal air sample Inside building (< 30 ug/m^3 8-hour TWA)

Step 3. Final Visual ----------

Step 4. Post wipe and/or soil sample Inside building (40 ug/ft^2 floors, 250 ug/ft^2 interior windowsills and 400 ug/ft^2 window troughs)/ Outside of building

(Based on Pre Soil Samples and/or current District of Columbia and EPA regulations).

1. Step 1. Pre wipe and or soil samples:

   a. Before the start of removal in various locations inside and outside the building.

2. Step 2. Removal air sample:

   a. During the removal in various locations inside building <30 ug/m^3 8-hour TWA.

3. Step 3. Final Visual:

   a. The CO or COR and Contractor Supervisor will perform a final inspection to observe whether the work area is cleaned and free of all dust, dirt, and debris. If the CO or COR, i.e., finds the area unacceptable through dust wipe testing or visual inspection, the Contractor shall re-clean until acceptance is gained.

4. Step 4. Final dust wipe and or soil samples:

a. In various locations inside building on floor area below removed windows. The District of Columbia has adopted EPA's Dust Lead Standards of 40 ug/ft^2 for floors based on a weighted average of all wipe samples, 250 ug/ft^2 for interior windowsills and 400 ug/ft^2 for window troughs (24 CFR Part 745). In various locations around the perimeter of the building. Soil samples will be based on Pre Soil Samples and/or current District of Columbia and EPA regulations.

B. Other Information:

1. Extra time required to clean work areas in order to achieve clearance criteria shall not be considered grounds for an extension of time for contract completion.

3.11 MONITORING REQUIREMENTS

A. Monitoring will be performed during lead-based paint activities.

1. Wipe and Soil Sampling:

   a. Baseline dust wipe and soil sampling shall collected by the CO or COR one day prior to the masking and sealing operations for each work area site. The background shall be established by performing wipe and soil sampling in similar but uncontaminated sites of the building. Wipe samples shall be collected at a minimum of six locations. Soil samples shall be collected at a minimum of four locations. Wipe and soil sample results shall be submitted to the CO in accordance with paragraph 1.05.C.

b. After removal, wipe sampling shall be taken by the CO or COR to determine if floor areas and windows are properly cleaned. The District of Columbia has adopted EPA's Dust Lead Standards of 40 ug/ft^2 for floors based on a weighted average of all wipe samples, 250 ug/ft^2 for interior windowsills and 400 ug/ft^2 for window troughs (24 CFR Part 745). Wipe sample results shall be submitted to the CO in accordance with paragraph 1.05.C.

2. Soil Sample:

a. After removal, soil sampling shall be taken by the CO or COR to determine if soil was contaminated during the exterior component removal. Final soil sample results will be based on the pre samples and/or current District of Columbia and EPA regulations.

3. Air Monitoring During Removal Operations:

a. Full-shift daily personal exposure air sampling of workers shall be performed by the Contractor to establish the 8-hour (TWA) exposure. Such sampling shall be conducted for each employee (or representative group of employees) expected to receive the highest exposure in each work area for each type of activity that removal, cleanup, or site preparation activities occur. The Contractor shall notify the CO and COR immediately of any exposures to lead within the lead control area in excess of 30 ug/m3 without regard to respiratory protection. All air monitoring results shall be submitted to the CO in accordance with paragraph 1.05.C.

b. Area sampling shall be conducted at least every shift. Samples shall be taken inside the building surrounding the work. If monitoring anywhere outside the lead control area (barrier/perimeter, environmental, and clean room air samples) indicates airborne concentrations in excess of 30 ug/m3 the Contractor shall immediately notify the CO. The Contractor shall immediately stop the removal of lead, investigate, and correct the condition causing the increase. All area-monitoring results shall be submitted to the CO in accordance with paragraph 1.05.C.

4. Record Keeping: The Contractor shall keep and maintain accurate records of all air monitoring performed during this project in accordance with OSHA Standards 29 CFR 1910.20 and D.C. ACT 11-438 Sec 9. The Contractor shall complete and submit to the CO within 15 working days after completion of all lead monitoring conducted under this contract (this is in addition to the daily submittal of the air monitoring results required by Section 1.05.C.).

3.12 DISPOSAL AND TRANSPORTATION OF LEAD-BASED PANT

A. Wastes shall be cleaned up and containerized daily. At the end of each work period, vacuum and collect all debris to maintain surfaces free of paint chips and dust accumulation. Do not dry sweep or use compressed air to clean up the area. Seal lead debris in airtight containers and remove from work site. If removing exterior

components from the building to waste trailer a line pathway with plastic shall be used. Handling and disposal of debris is to be in compliance with OSHA, EPA, DOT and all other applicable regulations. The Contractor is responsible for performing TCLP (toxic characteristic leaching procedure) sampling to determine if debris is to be handled and disposed of as hazardous waste. Before the TCLP is collected the CO or COR shall be present during the procedure. Disposal of lead-containing paint chips, debris and wastewater must be in accordance with EPA, State and local regulations. A copy of each manifest is to be provided to the CO and designated facility contact at the time the shipment is made. Within 30 days of the time the Hazardous Waste Treatment Storage and Disposal Facility (TSDF) receives the waste a competed copy of the manifest is to be provided to the CO and facility contact. Certificates of Destruction or Disposal (CD) shall be provided to the same parties within 90 days of delivery of waste to the TSDF.

3.13 RE-ESTABLISH MECHANICAL AND ELECTRICAL SYSTEMS

A. Mechanical and Electrical Systems: After final clearance of the work areas, re-establish HVAC, mechanical, and electrical systems disconnected or removed to perform lead abatement. The Contractor shall certify in writing that all systems disturbed or removed during this work have been reinstalled and are in proper working order.

B. Mounted Objects: When finishes have been completed the Contractor shall re mount objects removed during the course of the work to their former positions.

C. Loose and Movable Objects: Objects cleaned and removed from the work area by the Contractor shall be returned to their former positions by the Contractor.

END OF SECTION