Addendum 1 for RFQ 917400-01

To: All Prospective Firms

Project Name: DPS Post 9 Roof Replacement
DAS RFQ #: 917400-01
DAS Project #: 9174.00
Date: 9/21/2020

This Addendum forms a part of the contract documents and modifies the original bidding documents as noted below. Acknowledge receipt of this Addendum in the RFB response. Failure to do so may subject the bidder to disqualification.

CHANGES TO RFQ:

1. All questions regarding this solicitation must be received by email by **2:00 p.m. (CT) on Tuesday, September 22, 2020**.
2. Exhibit B Scope of Work – ADD specification section **02 85 33 – Mold Remediation and Disposal** to the Specification list.
3. Exhibit E Specifications – ADD section **02 85 33 – Mold Remediation and Disposal.**

ADDITIONAL CLARIFICAITONS:

1. See attached meeting minutes from the Pre-Bid Meeting that was held on 9/17/2020.
2. A bid bond is not required. Payment and performance bonds are required, but do not need to be submitted with the quote.

END OF ADDENDUM 1

SECTION 02 85 33
MOLD REMEDIATION AND DISPOSAL

PART 1 GENERAL

1.01 SUMMARY

A. This Section specifies the procedures for the controlled removal of mold, protection of occupants and workers performing the remediation and prevention of migration of mold contamination to areas adjacent to the work areas. This section also specifies cleaning of contaminated surfaces and disposal of waste from within the work areas in accordance with applicable regulations, guidelines and as outlined in this specification. The areas that require mold remediation and approximate quantities are shown on the drawings.

B. Examine areas in which the remediation work is to be performed and make necessary investigation regarding completion of the work. Notify the Director's Representative of any discrepancies found between the documents and the actual field conditions.

C. Furnish labor, materials, services, insurance, patents, and equipment necessary to perform the Work of this Contract. Comply with EPA, OSHA, and State of Iowa regulations, any other applicable federal, state, and local regulations and in accordance with these specifications. In the event there is a discrepancy between these provisions, the most stringent one shall apply.

D. Type of Mold Remediation Project:
   1. Small mold remediation project: Less than 10 square feet of surface or air system contamination. Follow the procedures listed in Part 3.
   2. Medium mold remediation project: Less than 100 square feet of surface contamination. Follow the procedures listed in Part 3.
   3. Large mold remediation project: Greater than 100 square feet of surface contamination or greater than 10 square feet of air system contamination. Follow the procedures listed in Part 3.

1.02 RELATED REQUIREMENTS

A. Section 01 10 00 - Summary

1.03 REFERENCES

A. Center for Disease Control (CDC): Air Pollution and Respiratory Health -Prevention and remediation strategies for the Control and Prevention of Fungal Growth.
   1. Institute of Inspection, Cleaning and Restoration (IICRC): Mold Remediation Standard (IIRC S520) establishes mold contamination definitions, descriptions and general guidance.

B. Iowa Department of Public Health: Division of Environmental Health

C. Occupational Safety and Health Administration (OSHA):
   1. Respiratory Protection, Title 29, Part 1910, Section 134 of the Code of Federal Regulations.
   2. Construction Industry, Title 29, Part 1926, of the Code of Federal Regulations.
   3. Hazard Communication, Title 29, Part 1910, Section 1200 of the Code of Federal Regulations.
   4. Specifications for Accident Prevention Signs and Tags, Title 29, Part 1910, Section 145 of the Code of Federal Regulations.

D. U.S. Environmental Protection Agency (EPA 402-K-01-001): Mold remediation in Schools and Commercial Buildings.

1.04 DEFINITIONS

A. Abatement/remediation: The process or procedure for removing and controlling the biological release and/or dispersion of microbial agents.

B. Adequately Wetted: Sufficiently wet, mixed, or coated with a detergent solution to prevent biological and dust dispersion during the movement of contaminated items and debris.

C. Air Filtration Unit (AFU): A local exhaust HEPA-equipped air filtration unit capable of maintaining a negative pressure inside the work area and a constant air flow from adjacent areas into the work area exhausting clean filtered air outside the work zone.

D. Air Sampling: The process of measuring inside biological contamination and outside ambient conditions.

E. Authorized Personnel: Facility or the Director's Representative, and other personnel who are authorized officials of any regulating agency, be it State, Local, Federal or Private entity who possess legal authority for enforcement or inspection of the remediation work.

F. Isolation Barrier: Any surface which seals off the work area to inhibit the movement of biological agents and contamination.

G. CIH: Certified, certified by the American Board of mold inspector/assessor by NYSDOL.

H. Clearance Criteria: Shall be determined and established by an independent licensed mold inspector/assessor by NYSDOL hired by the Director's Representative, conforming to standards set forth by authorities having jurisdiction, mentioned in the references, and issue the certification of cleaning. At a minimum no single sample shall have reading levels greater than the levels established by pre-remediation sampling and testing. Levels shall be recorded in spores/m3.

I. Containment: The negative-pressurized enclosure within the building which establishes a contaminated area and surrounds the location where mold remediation is taking place.

J. Construction Barrier: Used for construction separation only; does not prevent movement of infectious biological contaminants. Construction barriers shall be constructed of 1/2 inch plywood and 2" x 4" studding spaced no greater then 24" o/c. Doorways 3 ft. x 6 ft. minimum shall be installed where required for ingress and egress. A lock shall be installed to secure the area when the Contractor is not on site.

K. Remediation Contractor: A contractor or a subcontractor who has demonstrated proficiency in the clean-up of regulated chemical or physical substances, proficient in environmental remediation and the clean-up of contaminated debris and/or infectious biological agents.

L. Critical Barrier: Two layers of six mil, fire retardant, polyethylene sheeting adhered in such a fashion that each layer is individually visible, and completely seals off the work area to prevent the distribution of infectious biological agents into the surrounding areas that are not part of the work area.

M. Decontamination Unit: A serial arrangement of rooms or spaces for the purpose of separating the work area from the building environment. This unit provides for entering the work site, returning to the clean environment, cleaning of persons, equipment, and movement of properly contained waste material.

N. Disposal Bag: A minimum six mil thick, polyethylene leak tight plastic bag used for packaging and transporting debris and biological waste from the work area to a disposal site.

O. Fixed Object: Mechanical equipment, electrical equipment, fire detection systems, alarms, and other fixed equipment, furniture, fixtures or other items which cannot be removed from the work area.

P. HEPA: High Efficiency Particulate Absolute filtration efficiency of 99.97 percent down to 0.3 microns. Filtration provided on specialized vacuums and air filtration devices to trap particles and infectious agents.

Q. Moveable Object: Equipment, furniture or other items in the work area which can be removed from the work area.

1. Negative Pressure Ventilation System: A system established for the work zone utilizing Air filtration Unit(s) capable of maintaining a negative pressure inside the work area and which creates a constant air flow from adjacent areas into the work area and exhausts clean filtered air outside the work zone.

2. Maintains minimum of one complete air change every 15 minutes and 0.02 inches of water column pressure differential from the surrounding area at a minimum.

R. PPE: Personal Protective Equipment

S. Remediation/abatement: The process or procedure for removing and controlling the biological release and/or dispersion of microbial agents.

T. Respirator: Device designed to protect the wearer from the inhalation of harmful respirable dust, fumes, mists and infectious biological agents.

U. Visible Emissions: Emissions containing particulate materials that are visually detectable without the aid of instruments.

V. Wet Cleaning: The process of eliminating biological contamination from building surfaces and objects by using cloths, mops, or other cleaning devices which have been dampened with detergent solution.

W. Work Area: The area where the related work or biological decontamination operations are performed which is defined and or isolated to prevent the spread of biological agents.

1.05 ABBREVIATIONS

A. ACGIH: American Conference of Governmental Industrial Hygienists
1. 1330 Kemper Meadow Drive
2. Cincinnati, Ohio 45240

B. AIHA: American Industrial Hygiene Association
1. 2700 Prosperity Avenue
2. Fairfax, Virginia 22031

C. ANSI: American National Standards Institute
1. 1430 Broadway
2. New York, New York 10018

D. ASTM: American Society for Testing and Materials
1. 1916 Race Street
2. Philadelphia, PA 19103

E. CFR: Code of Federal Regulations
1. Government Printing Office
2. Washington, DC 20402

F. NIOSH: National Institute for Occupational Safety and Health
1. Building J.N.E. Room 3007
2. Atlanta, Georgia 30333

G. OSHA: Occupational Safety and Health Administration
1. 200 Constitution Avenue
2. Washington, DC 20210

H. USEPA: United States Environmental Protection Agency
1. 401 M Street SW
2. Washington, DC 20460

1.06 SUBMITTALS

A. Product Data: Catalog sheets, specifications and installation instructions for each item specified.

B. Quality Control Submittals:
1. Work Plan: Submit one copy of the work plan required under Quality Assurance Article.
2. Mold Remediation Contractor’s Qualifications Data:
a. Firm name, address, and telephone number.
b. Number of years in business.
c. Number of years performing mold remediation.

d. Names, addresses, contact person, and contact phone numbers of five projects of similar size and complexity in which firm has performed mold remediation work in the last 5 years.
e. Copy of Mold Remediation Contractor's mold remediation license issued by the State in which the Project is located.

3. Mold Abatement Worker's Qualifications Data:
   a. Name of each person who will be performing the Work and their employer's name, business address and telephone number.
   b. Names and addresses of 3 similar projects that each person has worked on during the past 5 years.
   c. Copy of recent pulmonary function testing (PFT) and respiratory fit testing.
   d. Documentation of completion of 16 hour Mold Abatement Worker Course approved by the State in which the Project is located.
   e. Copy of Mold Abatement Worker's mold abatement license issued by the State in which the Project is located.
4. Testing Lab Qualifications Data:
   a. Firm name, address, and telephone number.
   b. Copy of certification from State in which the Project is located.
5. Waste Transporter Permit: One copy of transporter's current waste transporter permit.
6. Landfill Permit: Copy of landfill permit required under QUALITY ASSURANCE Article.
7. MSDS sheets for detergents, disinfectants and/or biocides, and chemicals to be used during the project.
   a. MSDS sheets not required for regular strength soap and detergent solutions.
8. Submit the following at the completion of the Mold Remediation Work:
   a. Disposal Site Receipts: Copy of waste shipment record and disposal site receipt showing the mold containing materials have been properly disposed of.
   b. Assessment Report: Submit copy of report compiled by a mold assessor licensed from the State in which the Project is located.
9. Certificates: Affidavit required under QUALITY ASSURANCE Article.

C. Contract Closeout Submittals:
1. Operation and Maintenance Data: Submit air filtration unit operation and maintenance data and manufacturer's catalog sheets for the HEPA filter.
2. Copy of Daily Project Log.
3. Air Monitoring Data: Submit copy of air test results and chain of custody if requested.
4. Bulk Sampling Data: Submit copy of bulk sampling results and chain of custody if requested.

1.07 QUALITY ASSURANCE

A. Work Plan: Prior to the pre-work conference and before the physical Work begins, prepare a detailed Work Plan.
1. The Work Plan shall include, but not limited to, the location, size, and details of mold control areas, sequencing of mold containing material handling, work procedures, types of equipment, crew size, estimated completion time and emergency procedures for fire and medical emergencies.
2. The Work Plan will be discussed at the Pre-Work Conference.

B. Qualifications:
1. Mold Remediation Contractor: The firm performing the Work of this Section shall have been regularly engaged in mold remediation in commercial or institutional buildings for a minimum of 3 years, possess a Mold Remediation Contractor's License issued by the State in which the Project is located, and shall have completed 5 similar projects of size and complexity during the past 5 years.
2. Mold Abatement Worker: Individual with minimum one year experience specializing in mold remediation, shall possess a Mold Abatement Worker's License issued by the State

in which the Project is located, and shall have performed mold remediation work on 5 similar projects of size and complexity during the past 5 years.

3. Testing Lab Qualifications: The proposed testing lab shall be certified by the State in which the Project is located.

C. Regulatory Requirements: Comply with the referenced standards and all applicable Federal, State, and local regulatory requirements.

D. Landfill: Landfill to be used for mold remediation disposal shall be currently licensed to receive mold remediation waste by the State in which the Project is located and by USEPA. Out of state landfills shall provide licenses from local agencies having jurisdiction.

E. Pre-Work Conference: Before the Work of this Section is scheduled to commence, a conference will be held by the Director's Representative at the Site with the Contractor and the mold remediation Subcontractor for the purpose of reviewing the Contract Documents, discussing requirements for the Work, and reviewing the Work procedures.

F. Certification: Affidavit by the Contractor, certifying that the HEPA filters being used on the Project will be new and unused.

1.08 PROJECT CONDITIONS

A. Post the following documents at the entrance to the abatement area:
1. Copy of the printed Work Plan.
2. Warning signs and/or tape.

B. Shut-down of Air Handling System: Complete the Work of this Section within the time limitation allowed for shutdown of the air handling system serving the work area.
1. The air handling system will not be restarted until requirements of certification of cleaning are met.

C. Cover and seal fin-tube radiator covers, diffusers, duplex outlets, speakers, smoke and heat detectors etc with two layers of six mil, fire retardant polyethylene sheeting.
1. Prevent mold containing dust from entering hard to clean areas within any ductwork inside the containment area.
2. Items judged to be too difficult to protect may be disconnected, removed and replaced at contractor's option.

D. Electric services to those portions of the building and facility shall be maintained at all times.

E. Remove or encase equipment in the work area with two layers of six mil fire retardant polyethylene sheeting.

F. No aisle or passageway shall be obstructed so as to reduce its required width as an exit.

1.09 DELIVERY AND STORAGE

A. Deliver sanitizer or cleaning products in manufacturer's original sealed and labeled containers, if used.

B. Do not deliver products which have exceeded their shelf life, are in open or damaged containers or cartons, or are not properly labeled as specified.

C. Store the above referenced materials in compliance with manufacturer's printed instructions.

1.10 HEALTH AND SAFETY

A. Where in the performance of the work, workers, supervisory personnel or sub-contractors may encounter, disturb, or otherwise function in the immediate vicinity of contaminated items and materials, all personnel shall take appropriate continuous measures as necessary to protect all ancillary building occupants from the potential biological hazard of exposure to potential infectious agents.
1. Such measures shall include the procedures and methods described herein and shall be in compliance with all applicable regulations of Federal, State and Local agencies.

1.11 FIRE PROTECTION AND EMERGENCY EGRESS

A. Establish emergency and fire exits from the work area containment. Provide first aid kits and two full sets of protective clothing and respirators for use by qualified emergency personnel in the clean room of the decontamination facility.

B. Maintain Daily Project Logbook throughout the entire term of the Project.
   1. All persons who enter the work area or containment shall sign the logbook.
   2. Document any intrusion or incident in the log book.

1.12 PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT

A. Workers must wear protective suits, protective gloves, eye protection and a minimum of half-face respirator with HEPA filter cartridge for all small projects and full face respirator on all medium and larger projects.
   1. Respiratory Protection: As required by OSHA regulation 1910.134 and ANSI Z88.2.

B. Workers must be trained, have medical clearance and must have recently received pulmonary function test (PFT) and respirator fit tested by a trained professional.
   1. A personal air sampling program shall be in place as required by OSHA.
   2. The use of respirators must also follow a complete respiratory protection program as specified by OSHA.

PART 2 PRODUCTS

2.01 AIR FILTRATION UNIT

A. Air Filtration Units: Comply with ANSI Z9.2, Local Exhaust Ventilation.
   1. The final filter in each unit shall be of the HEPA type.
   2. Use HEPA filters certified by the manufacturer to have an efficiency of not less than 99.97 percent when challenged with 0.3 micron particles.
   3. Each HEPA filter shall be marked with the name of the manufacturer, model number, air flow rating, efficiency and resistance, and the direction of air flow.
   4. Dispose of used filters as contaminated waste.

B. Equip the system with the following:
   1. An automatic shutdown that will stop the fan in the event of a rupture in the HEPA filter or blocked air discharge.
   2. Warning lights and/or alarms to indicate an excessive pressure drop across the filters or an insufficient pressure drop across the filters.
   3. A non-resettable elapsed time meter to indicate the total accumulated hours of operation.
   4. A gage or manometer to measure the pressure drop across the filter.

2.02 DISPOSAL BAGS

A. Type: Clear, minimum 6 mil thick polyethylene, preprinted with a caution label. Properly drum/containerize bags for disposal.

2.03 EQUIPMENT

A. Temporary lighting, heating, hot water heating units, ground fault interrupters, and other equipment on site shall be UL listed and shall be safe, proper, and sufficient for the purpose intended.

B. Electrical equipment shall be in compliance with the National Electric Code, Article 305 - Temporary Wiring.

2.04 HIGH EFFICIENCY PARTICULATE AIR (HEPA) FILTERS

A. Type: Individually tested and certified by the manufacturer to have an efficiency of not less than 99.97 percent when challenged with 0.3 micron particles.

B. Mark each HEPA filter with the name of the manufacturer, serial number, air flow rating, efficiency and resistance, and the direction of air flow.

2.05 POLYETHYLENE SHEETS

A. Type: Fire retardant polyethylene, minimum 6 mil thick.

B. Initial Floor Protective Layer: Reinforced polyethylene, minimum 6 mil thick.

2.06 PLYWOOD

A. Type: Fire-rated CDX plywood, minimum 1/2 inch thick.

2.07 SEALANTS

A. Type: Combination fire stop foam and fire stop sealant to critically seal small openings; Dow Corning Fire Stop Foam and Dow Corning Fire Stop Sealant or as approved.

2.08 STUDS AND PARTITIONS

A. Type: 2” x 4” or metal studs with fire-rated CDX plywood.

2.09 RESPIRATORS

A. Type: Approved by the Mine Safety and Health Administration (MSHA), Department of Labor, or the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services.

2.10 VACUUM CLEANERS

A. Type: Vacuums equipped with HEPA filters.

2.11 CLEANING SOLUTIONS

A. Acceptable Products:
   1. Shockwave by Fiberlock Technologies, 150 Dasomb Road, Andover, MA 01810, (800) 342-3755, www.fiberlock.com.
   2. 40-80 Disinfectant by Foster Products Division of H.B. Fuller Construction Products Inc., 1105 Frontenac Street, Aurora, IL 60504, (800) 552-6225, www.fosterproducts.com.
   3. 820 Envirowash by Sentinal Products, 8901 Wyoming Ave. North, Brooklyn, Park, MN 55445, (800) 373-0633, www.senpro.com.

2.12 ENCAPSULANT/SEALANTS

A. Acceptable Products:
   1. IAQ 6000HD by Fiberlock Technologies, 150 Dasomb Road, Andover, MA 01810, (800) 342-3755, www.fiberlock.com.
   2. 40-50 Mold Resistant Coating by Foster Products Division of H.B. Fuller Construction Products Inc., 1105 Frontenac Street, Aurora, IL 60504, (800) 552-6225, www.fosterproducts.com.
   3. Zinsser Perma-White by Zinsser by Rustoleum Corp., 11 Hawthorne Parkway, Vernon Hills, IL 60061, (800) 855-1774, www.rustoleum.com.

PART 3 EXECUTION

3.01 PERSONAL PROTECTION

A. Disease prevention is dependant on the protection of workers from contact with particulate matter/spores.

B. Provide, and require all workers to use respiratory protection.
   1. Type: Minimum of a NIOSH approved half face respirator with P-100 filters.
   2. Use of dust and/or particle masks is not allowed.

C. Provide, and require all workers to use protective clothing.
   1. Protective Clothing: Includes disposable Tyvek-type coveralls, safety glasses, and rubber gloves.
   2. Tape glove/sleeve interfaces.
   3. Rubber boots or Tyvek type booties shall be worn to prevent shoes from contamination.
   4. Remove protective clothing and place in a plastic bag for disposal as required.

D. Decontamination Area: Complies with decontamination/shower units as described in the OSHA Asbestos Standard.
   1. Workers will be required to wash upon leaving work area.
   2. A soap/disinfection solution for workers, towels and a separate tool decontamination area are required.

3.02 PRE-REMEDIATION INSPECTION

A. Conduct visual inspection with the Director's Representative to determine the extent of water damage and mold growth.
   1. Ventilation systems, ceiling tiles, gypsum wallboard, cardboard and other cellulose surfaces shall be given careful attention.
   2. Use equipment such as boroscope, moisture meter, humidity meter etc to enhance the inspection process and shall be also made available to the Director's Representative upon his request.

3.03 PRE-REMEDIATION ASSESSMENT

A. The Director will employ the services of an independent, State licensed mold inspector/assessor to determine a project specific sampling plan on medium and large projects. The plan may include wipe sampling, bulk sampling and/or air sampling. Testing may not be required for small projects, if visible mold is present.

B. Bulk Sampling:
   1. Utilize individual trained in collecting bulk or surface samples.
   2. A lab certified to analyze the samples shall perform the testing and analysis.
   3. The Director will employ the services of an independent, State licensed mold inspector/assessor before the start of the project, who specializes in mold remediation for Analysis and Report.

C. Air Sampling:
   1. Air sampling may determine the extent and scope of contamination and also provide a base line for cleaning criteria.
   2. Collect work area exterior and interior air samples at a minimum of three locations.
   3. Notify the Director in writing if the extent and scope of required remediation is different from what shown in the documents. Utilize individual trained in collecting air samples.
   4. A lab certified to analyze the samples shall perform the testing and analysis.
   5. The Director will employ the services of an independent, State licensed mold inspector/assessor before the start of the project, who specializes in mold remediation for Analysis and Report.

3.04 ASSESSMENT AND REPAIR OF DEFECTS

A. Building materials supporting mold growth must be removed. Chronically moist or water damaged materials shall be removed from the area. The underlying problem causing the water damage or moisture shall be identified and notify the Director's Representative immediately.

3.05 PREPARATION OF WORK AREA

A. Shut down or isolate HVAC systems running through the work area to prevent the spread and migration of contamination to the adjacent non-contaminated areas or surfaces.

B. Utilize minimum containment in small size projects. A drop cloth shall be provided to collect the debris. Cover openings with critical barriers.

C. Limited containment may be utilized for medium size projects.
   1. Isolate work area from non-work areas using 6 mil fire retardant polyethylene sheeting from ceiling to floor with a slit entry and covering flap.
   2. Cover openings with critical barriers. Surfaces that are contaminated shall be within the containment area.
   3. Non removable items shall be wrapped in two layers of six mil polyethylene.
   4. Maintain negative air pressure with HEPA filtered units exhausting outside the building.

D. Maximum containment must be utilized for large size projects.
   1. Isolate work area from non work areas with two layers of six mil fire retardant polyethylene.
   2. Cover openings with critical barriers. Surfaces that are contaminated shall be within the containment area.
   3. Non removable items shall be wrapped in two layers of six mil polyethylene.
   4. Establish an airlock chamber at the exit of the work area. Passageways shall consist of covering flap cover at the entrance opening.

E. The work area shall remain unoccupied until the completion of the remediation project. Vacate areas adjacent to the work area for large contaminated area abatement.

F. For medium and large projects, work area shall be maintained under negative pressure with HEPA filtered units exhausting outside the building. Maintain at least four air changes an hour, and do not exhaust near any building intake openings closer than ten feet.

3.06 DECONTAMINATION FACILITY AND SEQUENCE

A. In a designated location, approved by the Director's Representative and attached to the work site, the Contractor shall construct a three-stage decontamination unit as specified, where the workers may decontaminate and change into clean clothing upon exiting the work area. The Director's Representative must also approve of the location of staging and storage area(s).

B. Installation of Decontamination Units:
   1. Where multiple work areas are concerned and for medium size projects, a remote three-stage decontamination unit may be constructed at a central location on each of the floors impacted.
   2. Additionally, an airlock chamber shall adjoin the work areas in each of the remedial locations. Workers shall don two sets of protective clothing, HEPA vacuum and remove the outer layer in the air lock chamber and wear a clean set of protective clothing before proceeding to the remote decontamination unit through a designated pathway.
   3. For medium or large size projects, or where aggressive abatement techniques shall be used, the three-stage decontamination unit that directly adjoins the work area shall be constructed.
   4. The three-stage unit shall include an equipment room, shower room with hot and cold running water, and clean room.
   5. The three-stage decontamination units shall be operational throughout each phase of work.
   6. Maintain a sufficient supply of soap, disposable towels, etc.
   7. Provide clean change area in accordance with OSHA Regulations.

C. Typical decontamination sequence for workers at the end of their shift shall be as follows:
   1. Before leaving the immediate work area, remove gross contamination and debris.
   2. Proceed to the equipment room and remove the disposable clothing including protective suit, hood, gloves and boots. The respirator shall remain. The worker shall then proceed to the shower room. Take off respirators last to prevent inhalation of contaminated dust and debris.
   3. After showering, proceed to the clean room and dress in clean street clothing prior to exiting.
   4. Pick up respirators, wash thoroughly, and disinfect as required, inspect, wrap and store in the clean room for the next day's work.
   5. Smoking, eating, or drinking in a contaminated area, shower room, equipment room, and designated work area, is prohibited. Follow facility regulations regarding smoking areas.
   6. Collect water used during remediation activities and pass through an appropriate water filtration system prior to being discharged into the sanitary sewer. Coordinate with Director's Representative to determine the acceptable location(s) to access the sanitary sewer. Provide connection to the sanitary sewer, and for provide piping, pumps, water filtration systems, and other items necessary to collect, transport, filter, and dispose of the wastewater. Dispose of filter as contaminated waste.

3.07 CLEANING AND DECONTAMINATION OF CONTAMINATED SURFACES

A. The areas that require mold remediation, and approximate quantities are shown on drawings. If any other visibly contaminated areas are identified, report condition to the Director's Representative and include in the remediation work plan upon approval in writing.

B. Follow the guidelines specified for mold remediation projects.

GUIDELINES FOR REMEDIATION OF BUILDING MATERIALS CONTAMINATED WITH MOLD			
MATERIAL	**METHOD**	**PPE**	**CONTAINMENT**
SMALL SIZE PROJECTS – See definition in Paragraph 1.01 D.			
Books and papers	3	Half Face Respirator	Minimum (See definition in Paragraph 3.04 B)
Carpet and backing	1, 3		
Concrete or cinder block	1, 3		
Hard Surface, Porous flooring (Linoleum, ceramic, vinyl tile)	1, 2, 3		
Non-porous hard surfaces (Plastic, metals)	1, 2, 3		
Drapes	1, 3		
Drywall and gypsum board	3		
Wood surfaces	1, 2, 3		
MEDIUM SIZE PROJECTS – See definition in Paragraph 1.01 D.			
Books and papers	3	Full Face Respirator	Limited (See definition in Paragraph 3.04 B.)
Carpet and backing	1, 3, 4		
Concrete or cinder block	1, 3		
Hard Surface, Porous flooring (Linoleum, ceramic, vinyl tile)	1, 2, 3		
Non-porous hard surfaces (Plastic, metals)	1, 2, 3		
Drapes	1, 3, 4		
Drywall and gypsum board	3, 4		
Wood surfaces	1, 2, 3		
LARGE SIZE PROJECTS – See definition in Paragraph 1.01 D.			
Books and papers	3	Full Face Respirator	Maximum (See definition in Paragraph 3.04 B)
Carpet and backing	1, 3, 4		
Concrete or cinder block	1, 3		
Hard Surface, Porous flooring (Linoleum, ceramic, vinyl tile)	1, 2, 3		
Non-porous hard surfaces (Plastic, metals)	1, 2, 3		
Drapes	1, 3, 4		
Drywall and gypsum board	3, 4		

Wood surfaces	1, 2, 3

C. Method 1: Wet Vacuum. Use vacuum cleaners designed and approved to collect water. Use vacuum cleaners to remove water from floors, carpets and hard surfaces. Do not use this method to vacuum dry porous materials.

D. Method 2: Damp Wipe. Wipe surfaces with clean water and detergent/chemical solution. For wood use wood floor cleaner and scrub as required. Do not damp wipe porous surfaces. Dry surfaces quickly and thoroughly.

E. Method 3: HEPA Vacuum. Use after the materials are thoroughly cleaned and dried. HEPA Vacuums are also recommended for adjacent areas that have dust accumulation. Seal the filter in disposal bags and properly dispose.

F. Method 4: Discard. Double bag materials that are not salvageable in disposal bags and properly dispose as contaminated waste.

3.08 CLEANING AND DECONTAMINATION OF HVAC SYSTEMS

A. Shut down the HVAC system prior to any remediation activities.

B. Contain the affected area as follows:
   1. Complete isolation of the HVAC system using 6-mil polyethylene and fire retardant sheeting.
   2. Use exhaust fan with a HEPA filter to generate negative pressurization.
   3. Utilize airlocks and a decontamination unit.

C. A variety of biocides are recommended by the manufacturers of HVAC equipment for use with HVAC components, such as, cooling coils and condensation pans. Consult the HVAC manufacturer for the products they recommend for use in their equipment or systems.

D. Growth supporting materials that are contaminated, such as paper on the insulation of the interior lined ducts and filters, should be removed and disposed. Remove other contaminated materials that cannot be cleaned in sealed disposal bags and dispose.

E. After proper cleaning, HVAC vents should be sealed-off with two layers of six mil polyethylene plastic sheeting using duct tape until certification of cleaning is obtained or the cleaning criteria is met.

3.09 DRYING AND DECONTAMINATION OF WORK AREA

A. Once wet or damp wiping is complete and substrate is completely dry, HEPA vacuum surfaces.

B. Use fans following the completion of HEPA vacuuming of surfaces. Fans shall be used to thoroughly dry the surfaces that were cleaned.

C. Apply a coat of approved mold growth preventing material or encapsulant on cleaned surfaces. If approved by the Director’s Representative, add a tint to the coating to distinguish encapsulated areas.

3.10 CLEARANCE CRITERIA

A. The areas are considered clean when visible mold contamination on surfaces has been removed from the work area. Prior to the removal of any critical barrier, schedule a walk-through inspection with the Director’s Representative and obtain his written approval.

3.11 CERTIFICATION OF CLEANING

A. Prior to removal of any critical or isolation barrier, Director’s Representative will employ the services of an independent testing lab that has a State licensed mold inspector/assessor on board.
   1. The Director’s Representative will obtain a written affidavit and a final assessment report from the mold inspector/assessor stating that the tests conform to standards set forth by authorities having jurisdiction, mentioned in the references.
   2. The licensed mold inspector/assessor may also utilize the results of the initial assessment and or the pre-remediation assessment to issue the certification of cleaning.

3. Schedule a walk-through inspection with the Director's Representative and obtain his written approval.

B. Bulk Sampling: Utilize individual trained in collecting bulk or surface samples. A lab certified to analyze the samples shall perform the testing and analysis. The Director will employ the services of an independent, State licensed mold inspector/assessor before the start of the project, who specializes in mold remediation for Analysis and Report.

C. Air Sampling: Collect work area air samples at a minimum of three locations. A lab certified to analyze the samples shall perform the testing and analysis. The Director will employ the services of an independent, State licensed mold inspector/assessor, who specializes in mold remediation, before the start of the project for Analysis and Report.

D. Allow for up to a minimum of 8 hours turn-around time between the taking of the clearance air samples and the receipt of air sample results. During this period, the work area enclosures and engineering controls specified shall continue in operation and shall meet the Contract specified parameters.

E. The Director's Representative and/or State licensed mold inspector/assessor shall have final determination of an acceptable clearance level.

F. If air sample results fail to meet the requirements of certification of cleaning, the Contractor shall re-clean the work area.

G. The State licensed mold inspector/assessor shall perform a thorough inspection of the work area and containment procedures in order to ensure the efficacy of additional cleaning procedures.

H. Upon completion of the re-cleaning, re-sampling shall be performed by the State licensed mold inspector/assessor.

I. Do not take down enclosures or remove engineering controls until the requirements of certification of cleaning have been met.

J. Director's Representative shall perform clean area and final work area visual inspections and verify completeness of remediation and cleaning procedures as specified.

3.12 POST REMEDIATION CLEANING

A. Perform post remediation cleaning upon notification from the Director's Representative that the air and or bulk sampling results meet requirements of certification of cleaning.
   1. The contained area and decontamination room shall be HEPA vacuumed and cleaned with a detergent solution prior to the removal of any critical or isolation barrier.
   2. Leave areas dry and visibly free from contamination and debris.
   3. Clean ladders, scaffolds, and other equipment used during work.
   4. Clean the protective plastic enclosures, dispose of this plastic, along with wipe cloths, as contaminated waste and place into six mil plastic waste bags for disposal.
   5. Similarly, clean plastic used to seal doors, windows, vents, or non-removable items. Remove and place into six mil plastic waste bags for disposal.

3.13 DISMANTLING AND REMOVAL OF CRITICAL/ISOLATION BARRIERS

A. Removal of critical and isolation barriers for re-occupancy shall not be permitted in any area where requirements of certification of cleaning have not been met.

B. Levels above the requirements of cleaning criteria or certification of cleaning shall require re-cleaning and further decontamination.

C. Surfaces should show no visible dust or growth of micro organisms.

3.14 DISPOSAL OF MOLD-CONTAINING/COATED MATERIAL AND RELATED DEBRIS

A. Building materials and furnishings that are contaminated with mold growth and are not salvageable should be double bagged using six mil disposal bags.

B. Seal bags air tight to prevent dispersion of mold spore contamination through out the building.

C. Transport and dispose of mold-containing material classified as contaminated waste in accordance with the standards referenced in Part 1 of this Section. Materials can usually be discarded as ordinary construction waste.

D. The waste hauler must possess a valid solid waste transporter registration issued by the State in which the project is located. A licensed solid waste transporter shall be a commercial collector/hauler, or the Contractor if so registered.

E. Prior to final payment, the Contractor shall furnish appropriate disposal site receipts or other documentation that indicate the landfill to which the waste was transported.

3.15 RESTORATION

A. At the completion of the Project, remove temporary decontamination facilities and restore area designated for these facilities to its original condition or better.

B. Where existing work is damaged or contaminated, restore work to its original condition or better.

END OF SECTION

Meeting #1

State of Iowa - Department of Administrative Services
109 SE 13th St.
Des Moines, Iowa 50319
Phone: (515) 281-7260

Project: 9174.00 - DPS Post 9 Roof Replacement
1510 W 1st St
Cedar Falls, Iowa 50613

Pre-Bid Meeting Minutes

MEETING DATE: 09/17/2020

MEETING TIME: 9:00 AM - 10:00 AM Central Time (US & Canada)

MEETING LOCATION: Webex Virtual Meeting

VIDEO CONFERENCING LINK: https://ryancompanies.webex.com/ryancompanies/j.php?MTID=m17a958910ca4671b385e1ae86c443595

OVERVIEW:
Meeting to review RFQ with prospective bidders. Project scope, schedule, and administrative items will be reviewed.

NOTES:

ATTACHMENTS:

ATTENDEES:

Name	Company	Phone Number	Email	Attendance
Brian Beenen	Department of Public Safety - District 9	Tel: (319) 266-2677	beenen@dps.state.ia.us	Absent
Mindy Aust	MA Architecture	Tel:	mindy@architecturema.com	Conference
Nick Aldrich	Ryan Companies	Tel: (515) 309-8529	nick.aldrich@ryancompanies.com	Absent
Devin Gaudette	Ryan Companies	Tel: (515) 412-5518	devin.gaudette@ryancompanies.com	Conference
Craig Price	Ryan Companies	Tel:	craig.price@ryancompanies.com	Conference
Doug Carper	State of Iowa - Department of Administrative Services	Tel: (515) 725-1273	douglas.carper@iowa.gov	Conference

Introductions

No	Meeting Origin	Title	Assignment	Due Date	Priority	Status
1.1	1	Webex Meeting Items				Open

Description:

1. Please keep yourself muted if you there is a lot of background noise.
2. Send your contact information to Devin (the host) via the chat function. This includes your company name, your name, email, and phone number.

1.2	1	Project Team				Open

Description:
Iowa State Patrol District #9

- Lt. Brian Beenen

These meeting minutes are believed to be an accurate reflection of those items discussed and the conclusions that were reached during the referenced meeting.

Please contact State of Iowa - Department of Administrative Services if there are any discrepancies or questions with the content of these minutes.

- Lt. Richard Pierce

State of Iowa - Dept. of Administrative Services (DAS)

- Doug Carper, Owner's Representative

MA Architecture

- Mindy Aust, Architect

Ryan Companies

- Devin Gaudette, Project Engineer
- Nick Aldrich, Sr. Project Manager

Official Documented Meeting Minutes:
Superintendent for Ryan Companies is Craig Price.

RFQ Information

No	Meeting Origin	Title	Assignment	Due Date	Priority	Status
2.1	1	Bidding Schedule				Open

Description:

- 9/22 - Bidder Questions due by 2:00 p.m. (will be changed in addendum)
- 9/23 - Final Addendum issued
- 9/25 - Quotes due at 2:00 p.m.

No	Meeting Origin	Title	Assignment	Due Date	Priority	Status
2.2	1	Bid Submittal				Open

Description:
All quotes need to be submitted on Exhibit A Pricing Form within the RFQ.

No	Meeting Origin	Title	Assignment	Due Date	Priority	Status
2.3	1	Pre-Bid Site Visits				Open

Description:
Reach out to Ryan Companies to schedule a site visit.

Project Scope and Schedule

No	Meeting Origin	Title	Assignment	Due Date	Priority	Status
3.1	1	Drawing and Photo Review				Open

Description:

- Remove shingles, underlayment, and sheathing
- Replace drip edge, new roof corner curb flashing
- Repair high and low eave locations
- New sheathing, underlayment, and asphalt shingles

No	Meeting Origin	Title	Assignment	Due Date	Priority	Status
3.2	1	Construction Schedule				Open

Description:
All contractors are required to submit their own schedule to the CM 48 hours prior to the preconstruction meeting. The below schedule is a preliminary schedule for bidding purposes.

- Contract Execution - 9/28 - 10/9
- Submittals - 10/12 - 10/16

	• Fabrication/Delivery - 10/23 - 11/5 • Moralization - 11/6 • Roof Replacement - 11/9 - 11/23					
3.3	1	Misc. Construction Items				Open
	Description: • Background checks are not required. Access to the building is not permitted. • Contractors need to supply their own power and restroom facilities.					

Questions

No	Meeting Origin	Title	Assignment	Due Date	Priority	Status
4.1	1	Questions				Open
	Description: List questions from meeting attendees.					

Additional Attendees

No	Meeting Origin	Title	Assignment	Due Date	Priority	Status
5.1	1	Attendees				Open
	Description: List of additional meeting attendees.					
	Official Documented Meeting Minutes: No additional attendees.					