EAI
Engineering Applications EAI, LLC

ADDENDUM NO. 1

DATE: October 10, 2025

PROJECT: STATE OF MICHIGAN - DTMB
State Facilities Administration
Design & Construction Division
Project: MDOC/Southern Region Business Office
Jackson – Warehouse 218 Freezer/Cooler Repairs

FILE NO. 472/25072.RWG

This addendum is issued for the purpose of modifying and/or clarifying the original plans and specifications and shall take precedence over them.

All work included herein shall be in accordance with the original plans and specifications except as specifically noted herein.

This addendum is being sent to all bidders receiving plans and specifications. Receipt of this addendum shall be noted on Proposal Form.

1. See attached copy of Pre-Bid Attendance Sheets for reference.

2. Refer to the attached MDOC Specifications Section:
   A. GENERAL ELECTRICAL NOTES
   B. MDOC – Utility and Security Shut Down Standards
   C. MDOC Appendix II Special Working Conditions
   D. These sections become part of the project and are required for Project Compliance.

3. Refer to Specification Section 260533:
   A. All references to PVC conduit shall be schedule 80 not schedule 40.
   B. PVC conduit is only allowed below grade.

4. Per the scheduled phasing out of refrigeration R-404A the new R-454A will be required for the project. Provide all materials and sequence of operation for the updated compliance requirements.

5. LARA Plan Review Number is PR2025BCC-003791.

5376 Burcham Dr
East Lansing, MI 48823
(517) 337-4422 phone
bknox@eaiengineers.com

6. Clarification on Project duration and Liquidated Damages:
   A. The project is intended to be a 120-calendar day project or duration as noted in the successful contractor's proposal/schedule.
   B. The official starting date of the project, will be the date of the NOTICE TO PROCEED from the SOM.

7. Refer to Appendix II for requirements of working in an active MDOC Facility. It will be the General Contractor's responsibility for complete compliance including sub-contractors.

8. Working hours for this project will be 6:30am to 2:30pm. Unless other arrangements are coordinated with MDOC, 72 hours ahead of time.

9. Include any premium costs for necessary shutdowns which will need to be performed including arrangements with MDOC.

10. Full compliance with the State of Michigan's recycling requirements including reporting of volume, quantiles, and dates.

11. MDOC will be seeking Energy Rebates for this project. It will be the General Contractor's responsibility to assist with the filing process.

12. Provide electrical phase protection for all new equipment.

13. All reclaimed refrigerant to be collected per state and federal rules, stored in approved containers, cataloged, and turned over to Dave Albrecht, MDOC.

14. The 2 existing Coolers located on the west side of the main pedestrian entrance, on the south side of the building are to have the refrigeration equipment disconnected.
   A. Remove the refrigerant piping, power conduit, controls to the entry point of the building.
   B. Seal all wall penetrations air & watertight.
   C. Demolition of interior systems and the condensing units will be removed under a separate contract.

15. Demolition of the refrigeration piping and conduits above the existing Freezer/Coolers in the east addition to be completely removed and the masonry wall patched.

END OF ADDENDUM NO. 1

Engineering Applications EAI, LLC
5376 Burcham Dr
East Lansing, Michigan 48823
Phone: 517.337.4422

MDOC/Southern Region Business Office
Jackson – Warehouse 218 Freezer/Cooler Refrigerant Replacement

State of Michigan - Department of Technology, Management & Budget – Facilities & Business Services Administration – Design and Construction Division
Reporting Number:
File Number: 472/25070.RWG

Contractor Pre-Bid Walk Thru – Warehouse 218 Freezer/Cooler Refrigeration Replacement **Wednesday, *October 8, 2025 at 11:00 am***

√ (if here)	NAME	COMPANY	PHONE	Cell	E-MAIL
√	Brian Knox, PE	Engineering Applications EAI, LLC	517-337-4422	517-420-3133	bknox@eaiengineers.com
√	Rob Gruesbeck, PE	DTMB / Design & Construction		248-520-6702	Gruesbeckr@michigan.gov
	Brian Rich	MDOC	517-862-7894		BRich@mich.gov
	David Albrecht	MDOC	517-780-6445	517-435-5941	AlbrechtD@michigan.gov
	Tony McKercnie	Glen Construction	810-686-0964	810-691-4669	TRMCKERCNIE@AOL.COM
✓	Andy Carver	Adrian Mechanical Services	517-263-5025	517-652-9727	a.carver@adrianmechanical.com
	David Colucci	Pappas Refrigeration	586-759-8400	810-217-0057	sales@pappasrefrigeration.com
✓	Tom Friar	Monroe Plumbing & Heating	734-693-9132	734-693-9132	tomf@monroeplumbing.com
	Richard White	MDOC	517-242-3595		whiter12@michigan.gov

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√ (if here)	NAME	COMPANY	PHONE	Cell	E-MAIL
✓	Matt Spisak	Spartan Construction Group		734-331-5081	matt@spartan-constructiongroup.com
✓	Austin Acker	Rolls Mechanical		810-360-7330	Austina@LJRolls.com
✓	Carter Vandlen	RAS Contracting Inc.		517-525-6343	Estimating@rascontractinginc.com

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√ (if here)	NAME	COMPANY	PHONE	Cell	E-MAIL
✓	AARON STINE	T.S. CONTRACT MANAGEMENT	(989) 307-8175	—	AARON.M.STINE@GMAIL.com
✓	Loren Cole	Gateway Refrigeration	989 289 2943		Loren@gwayref.com
✓	Robert Fry	Antler Construction	734-377-2770	734-404-6459	Lentzdale@yahoo.com
✓	DUANE PENNALLEGON	CENTENNIAL ELECTRIC	734-260-4347		DUANEP@CENTENNIAL-ELECTRIC.com

GENERAL ELECTRICAL NOTES:

1. ALL NON-FIRE RATED WALLS ARE TO BE PATCHED WITH LIKE MATERIAL TO MAINTAIN ORIGINAL RATING.

2. ALL WALL AND FLOOR PENETRATIONS ARE TO BE SEALED TO MAINTAIN ORIGINAL RATING.

3. ALL CONDUITS SHALL BE FIELD ROUTED ALONG EXISTING PIPING AND STRUCTURAL STEEL.

4. CONTRACTORS SHALL VISIT THE PROJECT SITE AND DETERMINE THE EXACT EXTENT OF THE DEMOLITION WORK REQUIRED BEFORE BIDDING THE PROJECT.

5. REMOVE ALL EXISTING OBSOLETE EXPOSED CONDUIT, WIRE AND UNUSED EQUIPMENT WHERE WORK IS BEING DONE EXCEPT ITEMS NOTED OTHERWISE.

6. WHERE BUILDING SURFACES ARE DAMAGED BY THE REMOVAL OF OLD WORK, SURFACES SHALL BE PATCHED TO MATCH ADJACENT.

7. EXISTING WORK WHICH IS PRESENTLY CONCEALED AND WHICH WILL REMAIN CONCEALED AND DOES NOT INTERFERE WITH ANY NEW WORK OF ANY TRADE NEED NOT BE REMOVED. HOWEVER, ALL CONDUIT SHALL BE CAPPED BELOW FINISH SURFACE AND THEN PATCHED TO MATCH, OR AS NOTED.

8. EXISTING OPENINGS, WHICH ARE TO BE REUSED, SHALL BE MODIFIED OR ENLARGED TO SUIT THE NEW SYSTEMS AS REQUIRED. PROVIDE ALL REQUIRED CUTTING AND PATCHING.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING THE EXISTING WALLS TO MATCH THE ADJACENT SURFACES BEHIND ALL SURFACE MOUNTED EQUIPMENT.

10. CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT AND LOADS PRIOR TO INSTALLING SERVICE TO EQUIPMENT.

11. DRAWINGS ARE BASED ON EXISTING RECORD DOCUMENT AND CASUAL FIELD OBSERVATION. REPORT ANY DISCREPANCIES TO ENGINEER FOR CLARIFICATION.

12. CONDUITS AND BOXES:
    a. 3/4" MINIMUM TRADE SIZE.
    b. EMT TYPE CONDUIT IS APPROVED.
    c. NO PVC ALLOWED INSIDE OF BUILDINGS.
    d. CONDUITS SHALL BE ATTACHED WITH TWO-HOLE STRAPS. SINGLE HOLE STRAPS ARE NOT PERMITTED.
    e. NO SET SCREWS ARE ALLOWED.
    f. TAMPER-PROOF SCREWS REQUIRED FOR EXPOSED CONDUIT AND BOXES MOUNTED BELOW TEN FEET.
    g. DRIVE PIN ANCHORS USED ON MASONRY OR CONCRETE WALLS/ CEILINGS.

13. ALL CONDUIT ABOVE 10 FOOT SHALL MEET THE FOLLOWING REQUIRMENTS:
    a. STRAP DISTANCE: 5 FEET.
    b. FASTENERS: 2 HOLE WITH SECURITY SCREWS.
    c. CONDUIT: INTERIOR EMT, EXTERIOR EXPOSED/ CONCEALED- GRC.
    d. FITTINGS: COMPRESSION.
    e. SECURE CONDUIT WITHIN 12 INCHES OF BOXES AND ENCLOSURES.

14. ALL CONDUIT BELOW 10 FOOT SHALL MEET THE FOLLOWING REQUIREMENTS:
    a. STRAP DISTANCE: 3 FEET.
    b. FASTENERS: 2 HOLE WITH SECURITY SCREWS.
    c. CONDUIT: INTERIOR RMC, EXTERIOR EXPOSED/ CONCEALED - GRC.
    d. FITTINGS: COMPRESSION.
    e. BELL BOXES: FS TYPE.
    f. NO KNOCKOUTS.
    g. SECURE CONDUIT WITHIN 12 INCHES OF BOXES AND ENCLOSURES

15. MINIMUM RACEWAY SIZE; 3/4" TRADE SIZE. REFER TO SPECIFICATION 260533 - RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS.

16. ALL EXPOSED WIRING SHALL BE IN CONDUIT. OPEN LOW VOLTAGE WIRING ABOVE CEILINGS IS ACCEPTABLE. REFER TO TC DRAWINGS FOR SUPPORT DETAILS.

17. CONDUITS SHALL BE INSTALLED STRAIGHT AND LEVEL AND SHALL BE PARALLEL OR PERPENDICULAR TO THE BUILDING LINES.

18. CONTRACTOR SHALL VERIFY ALL VOLTAGES BEFORE CONNECTING ANY EQUIPMENT.

19. ALL LOCATIONS WHERE THE WALLS CAN'T BE FISHED SHALL BE SURFACE MOUNTED CONDUIT FOLLOWING NOTES 11 AND 12 ABOVE.

20. ALL WALLS THAT ARE ACCESSIBLE SHALL BE FISHED AND DEVICE CUT INTO WALL.

21. ALL EXTERIOR CONCEALED CONDUIT UNDERGROUND SHALL BE RNC, TYPE EPC-40-PVC

22. ANY ELECTRICAL OUTAGE SHALL NOT LAST OVER 2-HOURS. FOR OUTAGES OVER PORTABLE GENERATORS SHALL BE USED TO REPLACE ANY ELECTRICAL SERVICE EXCEEDING THIS TIME PERIOD.

23. ANY ELECTRICAL OUTAGE SHALL NOT LAST OVER 2-HOURS. FOR OUTAGES OVER PORTABLE GENERATORS SHALL BE USED TO REPLACE ANY ELECTRICAL SERVICE EXCEEDING THAT DURATION.

24. UPON RELOCATING LIGHTS AND CAMERAS CONTRACTOR SHALL VERIFY THAT THE LIGHTS AND CAMERAS ARE WORKING PROPERLY PRIOR TO LEAVING THE SITE.

25. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED COMPONENTS, RACEWAYS, WIRE, AND HARDWARE, AS INDICATED ON DRAWINGS.

26. ALL WORK DONE WITHOUT APPROVED SHOP DRAWINGS IS AT CONTRACTORS RISK.

27. CONTRACTOR SHALL USE MDOC APPROVED POLES AND FIXTURES, NOT ALTERNATES WILL BE ALLOWED. ALL OTHER STATE OF MICHIGAN AGENCY SPECIFICATIONS DO NOT APPLY.

APPENDIX II

SPECIAL WORKING CONDITIONS

DEPARTMENT OF CORRECTIONS

The Work comprising this Project will be performed at a State of Michigan Correctional Facility and the Contractor/Professional must comply with the following special working rules, adopted December 1, 1975, as amended by the Michigan Department of Corrections.

1. Contractor/Professional must submit a LEIN request consisting of name, driver's license number, social security number, birth date, and additional information when requested, on all persons to be employed on the Project site. Such form (Vendor/Contractor LEIN Request, CAJ-1037) must be submitted directly to the Department of Corrections Designee for approval before any person's appearance at the site for Work assignments. These employees will be required to attend Contractor/Professional orientation prior to any on site activity.

2. Contractor/Professional will be allowed to work within or on Correctional Facility confines for an eight (8) hour shift as designated by the facility. Four (4) ten (10) hour shifts will be considered. No Work is allowed to be performed on Saturdays, Sundays, or State holidays without written permission from the State Agency. The State Agency may set other time schedules as discussed during the pre-construction meeting. Consideration will be given to using alternate shifts to minimize the length of time an area is out of service.

3. All employees of the Contractor/Professional may be subject to individual body search each time they enter the Correctional Facility. Packages or containers of any kind may be opened for inspection. Lunch boxes are not permitted inside the security perimeter. All employees of the Contractor/Professional will be required to have legal picture identification card.

4. All trucks and other mobile equipment may be subject to inspection both on arrival and upon departure from the Correctional Facility. Absolutely no fraternization between inmates and Contractor/Professional's employees will be tolerated. Any attempts at same by prisoners are to be reported immediately to the escorting officer or MDOC employee.

5. No requests for visits with inmates will be granted to Contractor/Professional's employees except where such visiting originated prior to award of the Contract.

6. Contractor/Professional must follow rules pertaining to foot and vehicle traffic as established by the Correctional Facility. Contractor/Professional must observe all off-limit restricted areas beyond which no unauthorized personnel may trespass. The Contractor/Professional and their workers may not leave the assigned Work areas.

7. Heavy equipment, power tools and machinery must be removed from the inside of the security perimeter through the assigned gate at times specified by each facility. Such heavy equipment including but not limited to power shovels, compressors, welding machines, air hammers, welding equipment, etc., must be immobilized in an acceptable manner and may not remain inside unless specifically approved by the Warden. Cutting torches and cutting tools in general must be securely locked as directed by the Agency and checked out as needed. No tools, small pipe, copper, or wire will remain on the site overnight unless acceptably secured as approved by the facility. Any gas powered equipment entering the secured perimeter must be equipped with locking gas caps at all times.

8. MDOC physical plant standards require Contractors/Professionals to provide a properly sized emergency generator(s) to be onsite with all associated equipment to ensure a quick install in an event where power may be disrupted to any part of the facility. Use of the MDOC regional emergency generator may be utilized when applicable and available. See contract documents for any specific generator requirements. See contract documents for any specific generator requirements.

9. In the event of underground excavation work of any kind, ground penetrating radar must be used to document underground utilities, wires, cables, fiber optic, tunnels, structures etc. prior to any work being performed. When the ground must be disturbed within 6' an underground obstacle as mentioned above, hydro-excavation must take place.

    - The Contractor shall call Miss Dig (811) a minimum of three (3) working days prior to start of construction.
    - The Contractor shall use Ground Penetrating Radar to survey for utilities within the area of work.
    - The Contractor shall take precautions in the area of utilities during excavation. The contractor shall use hydro vac equipment to excavate a trench ten feet either side of center line of suspected location of underground utilities.
    - Hydro excavating shall always be used for excavating holes for fence posts, lighting pole bases and trenches for foundations.
    - Damage to any utilities caused by excavation or construction work shall be repaired at the Contractor's expense. The contractor shall also be responsible for consequential damages experienced by MDOC resulting from the damaged utilities.
    - Permanent splices to underground electrical and/or fiber are not allowed. They must be fully replaced.

10. There will be no exchange, loaning or borrowing of tools, equipment, or manpower between Correctional Facility personnel and the Contractor/Professional.

11. Specific Facility and MDOC requirements regarding tools & equipment will be covered during the Contractor/Professional orientation process prior to any on site activity. Topics covered include but are not limited to:

    a. All tools and equipment within a work area which is not enclosed and secure must be disabled, secured, or removed from the facility if the entire construction crew leaves the work area/facility.

    b. Clean up of the site shall be continuously maintained and at the end of each work shift all debris shall be removed from the site or placed into a dumpster as approved by the facility. All building and grounds shall be cleaned using a magnet or metal detector to ensure no debris remains. Demolition work above occupied building requires spotter below area being disturbed to collect potential falling debris.

    c. Dumpsters for debris collection/recycle/removal are not allowed to be left inside the security perimeter unless approved by the Warden. In such cases the dumpster location and security will be specified by the Warden and may be required to be secured within a temporary fenced area or provided with a lockable cover. Removal of dumpsters is subject to coordination with the facility.

    d. Tools, tool boxes, and equipment of contractors and/or workers performing services inside an institution shall be manifested, inventoried and inspected prior to entry into and exit from the institution. Staff designated to escort workers within the facility shall ensure tools are controlled with proper security and safety procedures and work activities are confined to authorized areas.

    e. A list of Dangerous and Critical Tools will be provided to the Contractor as well as all policies and procedures dictating the security, control, and use of these of tools. Tool Control will be thoroughly covered during Contractor/Professional orientation prior to any on site activity.

    f. Explosively Driven Tools and Ammunition will not be allowed.

    g. Smoking, and the use and possession of tobacco products, is strictly prohibited.

    h. It is a felony to bring any of the following items into a correctional facility or onto facility property where prisoners may have access to them without prior written permission of the Warden:
    1. Any weapon, including a pocketknife, or other implement which may be used to injure another person, or which may be used in aiding a prisoner to escape.
    2. Any alcoholic beverage or poison.
    3. Any prescription drug or controlled substance without written certification of need from a licensed physician.
    4. Personal cellular telephones and pagers are not permitted on facility grounds except in a locked motor vehicle in designated parking areas.
    5. Audio or visual recording devices, including cameras.

12. The assigned gate through which materials, equipment and vehicles must be transported will be opened upon request between the hours as determined by agreement with facility operations.

13. Sanitary facilities will be assigned by the Correctional Facility authorities for the use of the employees of all Contractors. The MDOC or facility may require placement of portable facilities as outlined in the specifications. If used and authorized, portable sanitary facilities shall be locked at all times as when not in use.

14. Guards may be assigned to the working areas. They may inspect and search areas under construction at any time, including the Contractor/Professional's equipment.

15. Areas for employee parking, tool boxes, etc., must be assigned only by Correctional Facility authorities on the site. Remove all firearms, weapons, alcoholic beverages, drugs, medicines, or explosives from vehicles before entering Facility property. Lock vehicles when not attended.

16. Accidents - The Correctional Facility infirmary is <u>not</u> available to Contractor/Professional's employees.

17. The Warden of this Correctional Facility retains the right to revise these "Special Working Conditions" as required to meet Facility needs.

APPENDIX III

SPECIAL PROJECT PROCEDURES

SOIL EROSION AND SEDIMENTATION CONTROL PROJECT PROCEDURES FOR CONTRACTORS ON DTMB OWNED AND MANAGED PROPERTIES

1. Comply with Part 91, Soil Erosion and Sedimentation Control of the Natural Resources and Environmental Protection Act 1994 PA 451, as amended.
2. Contact the DTMB, SFA, Design and Construction Division to discuss the implementation of soil erosion and sedimentation control (SESC) on the Project with DTMB SESC Officer. Phone **(517) 388-3045** or Email mcgarryc@michigan.gov.
3. Following the award of a contract, the Contractor will be required to prepare and issue for approval an SESC Implementation Plan, which indicates the Contractor's intended implementation of SESC on the project including a schedule and sequence. The Environmental Health and Safety Section, upon approval of the implementation plan, will issue to the Contractor an "Authorization to Proceed with Earth Change" document, which is to be posted at the job site. This document is issued in lieu of a permit from the county. Earthwork shall not begin prior to the issuance of this Authorization. Upon receipt of the Authorization document, the Contractor may begin earth change activities.
4. See below the "Checklist for Contractor's SESC Implementation Plan" for details of the required information necessary for the Contractor to create the SESC Implementation Plan. The intent of this plan is to ensure that the Contractor has reviewed and understands the SESC provisions within the plans and specifications.
5. CHECKLIST FOR CONTRACTOR'S SOIL EROSION AND SEDIMENTATION CONTROL IMPLEMENTATION PLAN (For projects that include earth changes or disturb existing vegetation):

DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
STATE FACILITIES ADMINISTRATION, DESIGN AND CONSTRUCTION DIVISION
SOIL EROSION AND SEDIMENTATION CONTROL PROGRAM
P.O. Box 30026, Lansing, Michigan 48909

PROJECT TITLE: VIDEO MANAGEMENT SYSTEM UPGRADE – PHASE I
PROJECT LOCATION: BARAGA CORRECTIONAL FACILITY
PROJECT FILE NUMBER: 472/21301.JBB
INDEX NUMBER: 472AMFMAINTPROJ

Prior to the start of earthwork, the Contractor must submit a Soil Erosion and Sedimentation Control (SESC) Implementation Plan to the Michigan Department of Technology, Management and Budget, Soil Erosion and Sedimentation Control Program. The intent of this plan is to ensure that the Contractor has reviewed and understands the SESC provisions within the plans and specifications. The following checklist will provide Contractors with assistance in creating the SESC Implementation Plan.

The SESC Implementation Plan must include:

1. ☐ A written plan or letter demonstrating:
   - ☐ The Contractor's means and methods for the implementation of SESC provisions included within the plans and specifications and compliance with the provisions of Part 91 of PA 451 of 1994, as amended.
   - ☐ The Contractor's plan for dust control.
   - ☐ The Contractor's plan for inspection and maintenance of temporary SESCs.

2. ☐ A map, location plan, drawing, or amended copy of the Project SESC or grading plan showing:
   - ☐ The locations of any stockpiles of soil associated with the Project
   - ☐ The temporary SESC controls associated with stockpiles of soil
   - ☐ The Contractor's suggested or proposed additions or relocations of any temporary or permanent SESCs. associated with the Project plans and specifications (subject to approval by Engineer and DTMB)
   - ☐ Location of site entrances, exits and vehicle routes
   - ☐ Location of site superintendent's/project manager's site trailer or office (for SESC Inspector check-in)

3. ☐ A schedule for the installation and removal of temporary controls and the installation of permanent soil erosion and sedimentation controls in relation to the overall construction schedule.

Submit the above items to the above address.

Upon approval of the Contractor's plan, an "Authorization to Proceed with Earth Change" will be issued by DTMB, Design and Construction Division.

DEMOLITION/REMODELING PROJECT PROCEDURES

Furnish all equipment, materials, labor, and services necessary to complete all building demolition required in connection with the existing building, in order to permit the installation of new Work. The goal of the Owner is to generate the least amount of waste or debris possible. However, inevitable waste and debris that are generated shall be reused, salvaged, or recycled, and disposal in landfills shall be minimized to the extent economically feasible. The Contractor will be required to prepare waste management plan for the collection, handling, storage, transportation, and disposal of the waste generated at the construction site for the Owner's review and approval. The Contractor will be required to produce waste management progress reports.

1. Locations: Notations are made in various places on the Drawings to call attention to building demolition which is required; however, these Drawings are not intended to show every item to be removed. The Contractor and the Subcontractors for the various trades must remove the materials related to their respective trades as required to permit the construction of the new Work as shown.

2. Permits: The Contractor must secure from the appropriate agencies all required permits necessary for proper execution of the work before starting work on the project site. All fees for securing the permits must be paid by the Contractor, including all inspection costs which may be legally assessed by the Bureau of Construction Codes in accordance with the authority granted under the Public Act 1980 PA 371, as amended.

3. Enclosures: Where it is necessary to make alterations to walls, floors or roof of the existing building, the Contractor must provide and maintain dustproof partitions to separate the parts where Work is being done from the adjoining parts occupied by the State Agency. Where any parts are opened and exposed to the elements, the Contractor must provide weather tight enclosures to fully protect the structure and its contents.

4. Waste Management Plan: The management plan must address waste source identification and separation, returns, reuse and salvage, recycling, landfill options, alternatives to landfilling, materials handling procedures and transportation.

5. Preparation: Protect all existing Work that is to remain and restore in an approved manner any such Work that becomes damaged.

   5.1 Rubbish and debris resulting from the Work must be removed immediately from the site by the Contractor. However, any recyclable materials must be recycled; the Contractor will be required to use alternatives to landfills for waste disposal such as reuse or recycle of asphalt, bricks, concrete, masonry, plastics, paint, glass, carpet, metals, wood, drywall, insulation, and any other waste materials to the extent practical.

   5.2 Unless otherwise specified, the Agency will remove existing furniture, drapery tracks, draperies, window blinds, and other equipment items, which might interfere with the new construction.

6. Coordination: Demolition work, in connection with any new unit of Work, must not be commenced until all new materials required for completion of that new item of Work are at hand.

7. Waste Management Plan Progress Reports: Submit an updated report with the payment requests. The progress reports shall include:
   a. The amount of waste sent to a landfill, tipping fees paid and the total disposal cost. Include supporting documents such as manifests, weight tickets, receipts and/or invoices.
   b. Records for each material recycled/reused/salvaged from the project including the amount, date removed from the job site, destination, transportation cost, recycled materials, and the net cost/ savings.
   c. Breakdown of waste by type generated to date.
   d. Recycling/salvage/landfill rates.
   e. Percent of waste recycled/salvaged to date.

HAZARDOUS MATERIALS PROJECT PROCEDURES

1. The Contractor must use, handle, store, dispose of, process, transport and transfer any material considered a Hazardous Material in accordance with all federal, state, and local Laws. If the Contractor encounters material reasonably believed to be a Hazardous Material and which may present a substantial danger, the Contractor must immediately stop all affected work, give written notice to the Owner of the conditions encountered, and take appropriate health and safety precautions.

2. This project has been identified by the DTMB-SFA as having a possibility of containing Hazardous Waste materials to be legally removed from the Project job site to complete the Work as described in the Proposal and Contract. If removal of friable asbestos material is required, the Contractor must contact the Air Quality Division, Department of Environment, Great Lakes, and Energy, at **(5I7) 284-6773**, for a permit and furnish all training, labor, materials, services, insurance, and equipment necessary to carry out the removal operations of all Hazardous Materials from the Project job site, as identified by the Scope of Work, or encountered on the Project job site, in accordance with State and Federal Hazardous Waste Codes. A Contract Change Order will be written to modify the existing Contract to pay for the additional cost.

3. Environmental Hazards (air, water, land and liquid industrial) are handled by the Waste and Hazardous Materials Division, Michigan Department of Environment, Great Lakes, and Energy (EGLE) in carrying out the requirements of the Federal Environmental Protection Agency (EPA). For general information and/or a copy of the latest regulations and publications call (517) 335-2690.

4. The Michigan Occupational Safety and Health Administration (MIOSHA) provides protection and regulations for the safety and health of workers. The Department of Licensing and Regulatory Affairs provides for the safety of workers. The Department of Community Health provides for the health of workers (517/373-3740) (TDD 517/373-3573).

   4.1 Contractor must post any applicable State and/or Federal government regulations at the job site in a prominent location.

   4.2 Contractor must be responsible for training their workers in safe work practices and in proper removal methods when encountering hazardous chemicals.

5. Applicable Regulations:

   5.1 Natural Resources and Environmental Protection Act – PA 451 of 1994, as amended, including Part 111 – Hazardous Waste Management, Part 121 – Liquid Industrial Waste and Part 147 – PCB compounds.

   5.2 RCRA, 1976 - Resource Conservation and Recovery Act: This federal statute regulates generation, transportation, treatment, storage, or disposal of hazardous wastes nationally.

   5.3 TSCA, 1979 – Toxic Substances Control Act: This statute regulates the generation, transportation, storage, and disposal of industrial chemicals such as PCBs.

6. Definitions: Hazardous substances are ignitable, corrosive, reactive, and/or toxic, based on their chemical characteristics.

   6.1 Under Federal and Michigan Law, a Small Quantity Generator of hazardous waste provides from 220 to less than 2,000 lbs./month or never accumulates 2,200 lbs. or more.

   6.2 A Generator size provider of hazardous waste provides 2,200 lbs. or more/month or accumulates above 2,200 lbs.

7. Disposals: To use an off-site hazardous waste disposal facility, the Contractor must use the Uniform Hazardous Waste Manifest (shipping paper). Small quantities of hazardous waste may not be disposed of in sanitary landfills used for solid waste.

8. Federal, state, and local Laws and regulations may apply to the storage, handling and disposal of Hazardous Materials and wastes at each State Agency. Contact the **Environmental Assistance Center** of the Michigan Department of Environment, Great Lakes, and Energy (EGLE) at **1-800-662-9278**, Fax to: 517-241-0673 or e-mail to: DEQ-EAD-env-assist@michigan.gov for general EGLE information including direct and referral assistance on air, water and wetlands permits; contaminated site clean-ups; underground storage tank removals and remediation; hazardous and solid waste disposal; pollution prevention and recycling; and compliance-related assistance. The Center provides businesses, municipalities, and the public with a single point of access to EGLE's environmental programs.

ASBESTOS ABATEMENT PROJECT PROCEDURES

Should this Work require the renovation or demolition of a building or structure initially constructed on or prior to 1980, the Contractor will use the attached copy of a Comprehensive Asbestos Building Survey for those portions of the building or structure being impacted and must plan his or her work to minimize disturbance of any known or assumed asbestos containing materials (ACM). In addition, if this building or structure was constructed on or prior to 1980, the Contractor's On-Site Superintendent and all Subcontractor On-Site Superintendents for trades that could potentially disturb known or assumed ACM, must, as a minimum, have and provide documentation of current Asbestos Awareness Training.

If the Comprehensive Asbestos Building Survey identifies known or assumed ACM that will potentially be disturbed as a part of the Contractor's renovation or demolition activities, the Contractor must remove, transport, and dispose of these materials at no additional cost to the Owner and prior to any other work taking place within the immediate vicinity of said material. If required, the Contractor must provide the Owner a minimum of 10 working day notification prior to the start of any asbestos abatement activities with abatement in occupied buildings being completed even if they will be conducted during off hours (nights, weekends, and state holidays).

If the Contractor encounters a suspected ACM that was not previously identified within the Comprehensive Asbestos Building Survey, the Contractor must immediately stop all affected work, give written notice to the Owner of the conditions encountered, and take appropriate health and safety precautions. If, after providing Owner notification, the Contractor is directed to sample and/or remove the suspected ACM in question, a Contract Change Order will be written to modify the existing Contract to pay for the additional cost. Any abatement shall be completed in accordance with the requirements of this Section.

If removal of ACM is required, removal must be completed by a contractor currently licensed to remove asbestos by the State of Michigan, Department of Licensing and Regulatory Affairs (DLARA) Asbestos Program and abatement must be performed in accordance with all federal, state, and local Laws and Regulations. Prior to commencing any asbestos abatement activities, the licensed abatement contractor must submit, as required by Federal, State and Local Laws and Regulations, a "Notification of Intent to Renovate/Demolish" to both the State of Michigan, Department of Environment, Great Lakes, and Energy (EGLE), Air Quality Division and to the DLARA, Asbestos Program, to comply with National Emission Standards for Hazardous Air Pollutants (NESHAP), and the Clean Air Act (CAA). All regulated ACM must be disposed of at an approved Type II (general refuse) landfill and must be in leak-tight wrapping or containers. ACM that is non friable and is not in poor condition or will not become regulated ACM at any time can be disposed of in a Type III (construction debris) landfill.

At the completion of each abatement activity, the Contractor must perform clearance testing in accordance with National Institute for Occupational Safety and Health (NIOSH) 582 "Sampling and Evaluating Airborne Asbestos Dust". All air samples shall indicate concentrations of less than 0.01 fibers/cc for clearance to be met. Clearance testing shall be performed by a third-party Asbestos Consultant. The Asbestos Consultant selected by the Contractor shall be experienced and knowledgeable about the methods for asbestos air sampling and be able to select representative numbers and locations of samples. It is mandatory that the Asbestos Consultant's on-site hygienist performing sampling and analysis have certification that he/she has passed a NIOSH 582 or equivalent course.

The NESHAP asbestos regulations, notification form, guidelines and fact sheets are available on EGLE's web site www.michigan.gov/egle under heading Air; then click on Compliance; then click on Asbestos NESHAP Program. For guidelines on submitting notifications pursuant to the Asbestos Contractors Licensing Act, contact the DLARA, Occupational Health Division, Asbestos Program at (517) 322-1320 or visit DLARA's web site www.michigan.gov/asbestos.

LEAD ABATEMENT PROJECT PROCEDURES

Should this Work require the renovation or demolition of a building or structure, the workers are assumed to be exposed to lead or materials containing lead above acceptable levels until proven otherwise through personal air sampling and analysis. The Contractor shall take all steps necessary to assure that his/her employees, are not exposed to lead at concentrations greater than the Permissible Exposure Limit as per the State of Michigan Department of Licensing and Regulatory Affairs Occupational Health Standards Part 603 “Lead Exposure in Construction”. In addition, the Contractor shall convey this same requirement to all subcontractors that may be under his/her control.

The employer shall comply with the Michigan Lead Abatement Act, as amended, and the Lead Hazard Control rules and must communicate information concerning lead hazards according to the requirements of Michigan Occupational Safety and Health Administration (MIOSHA) Part 603 and the Occupational Safety and Health Administration’s (OSHA's) Hazard Communication Standard for the construction industry, 29 CFR 1926.59, including but not limited to safety equipment (e.g. personal fit-tested and approved respirators and protective clothing), worker rotation (on a short-cycle and regular basis), working practices (e.g. sanding, cutting, grinding, abraded, burning and heat-gun stripping of lead based paint are not allowed), the requirements concerning warning signs and labels, Safety Data Sheets (SDS), and employee information and training. Employers shall comply with the requirements of 29 CFR 1926.62(l) - Employee Information and Training.

If lead or materials containing lead will be disturbed as a part of the work to be performed, the Contractor must remove, transport, and dispose of these materials at no additional cost to the Owner and prior to any other work taking place within the immediate vicinity of said material. The Contractor must provide the Owner a minimum 10 working day notification prior to the start of any lead abatement activities with abatement in occupied buildings being completed even if they will be conducted during off hours (nights, weekends, and state holidays). Abatement is defined as an activity specifically designed to permanently remove lead paint, lead-contaminated dust or other lead containing materials, the installation of a permanent enclosure or encapsulation of lead paint or other lead containing materials, the replacement of lead-painted surfaces or fixtures, the removal or covering of lead-contaminated soil, and any preparation, cleanup, disposal, and post-abatement clearance testing associated with these activities. Renovation, remodeling, landscaping, or other activity, that is not designed to permanently eliminate lead paint hazards, but is instead designed to repair, restore, or remodel a structure, or housing unit even though the activity may incidentally result in a reduction or elimination of a lead paint hazard is not considered abatement.

If abatement of lead or materials containing lead is required, abatement must be completed by a qualified Lead Abatement Contractor. In addition, Specifications for the Lead Abatement should be based upon a Lead Inspection/Risk Assessment report. The Lead Inspection/Risk Assessment report and clearance testing upon completion should be performed by a Certified Inspector or Risk Assessor. Lead abatement including clearance testing shall be performed in accordance with the State of Michigan, Lead Abatement Act, Part 54A Lead Abatement and with all other federal, state, and local Laws and Regulations that may apply.

For additional information about certifications, guidance, and regulations for lead hazard control activities, visit www.michigan.gov/lead.

APPENDIX IV

STATE OF MICHIGAN PREVAILING WAGE SCHEDULES

APPENDIX V

HAZARDOUS MATERIAL SURVEY

APPENDIX VI

SITE CF EXISTING CAMERAS

(See Attached Spread Sheet)

MDOC – UTILITY AND SECURITY SHUT DOWN STANDARDS

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. This section includes instructions for the shutdown of the following Systems:
1. Perimeter Detections.
2. Video Management.
3. Boiler and Heating System.
4. Electrical, Generator and Back Up Supply
5. Life Safety

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

3.01 PERIMETER DETECTION SYSTEM

A. An Hour by Hour Schedule MUST be submitted to MDOC leadership and the Facility for review 2 weeks prior to implementing the construction. In this the document submitted to leadership the following must be included for leadership:
1. ALL building systems, perimeter detection, video management and life safety systems affected.
2. ALL additional security measures that will be in place, will be defined in detail by the Warden or designated custody staff, during the construction period.
3. Example of schedule:
Technicians scheduled are Andy Frazine and Rob Schutt.
Will need 1 escort, working hours 7:00am to 6:00pm each day.
Monday, January13th
7:00am– 11:00am Tower #1 Ultra-Link (move alarms from transponder to new ultra-link) Tower 1 points:

Zone 49A
Zone 49B
Zone 49C
Zone 50
Zone 51
Zone 49/51 Supervisory

12:00pm – 2:00pm Tower #6 Ultra-Link (move alarms from transponder to new ultra-link)

2:00pm - 6:00pm Programs Building (move alarms from transponder to new ultra-link)

Programs Points:

Programs Cabinet Tamper
Programs Mechanical Room Door
Programs Electrical Room Door

B. If a window of MORE THAN TWO HOURS is required for electrical shut down, then a redundant backup Generator MUST BE ON SITE during the construction, to provide power to ALL PERIMETER DETECTION, VIDEO MANAGEMENT, AND LIFE SAFETY SYSTEMS during the construction period.

3.02 VIDEO MANAGEEMENT SYSTEM

A. An Hour by Hour Schedule MUST be submitted to MDOC leadership and the Facility for review 2 weeks prior to implementing the construction. In this the document submitted to leadership the following must be included for leadership:
   1. ALL building systems, perimeter detection, video management and life safety systems affected.
   2. ALL additional security measures that will be in place, will be defined in detail by the Warden or designated custody staff, during the construction period.

B. If a window of MORE THAN TWO HOURS is required for electrical shut down, then a redundant backup Generator MUST BE ON SITE during the construction, to provide power to ALL PERIMETER DETECTION, VIDEO MANAGEMENT, AND LIFE SAFETY SYSTEMS during the construction period.

3.03 BOILER AND HEATING SYSTEM

A. An Hour by Hour Schedule MUST be submitted to MDOC leadership and the Facility for review 2 weeks prior to implementing the construction. In this the document submitted to leadership the following must be included for leadership:
   1. ALL building systems, perimeter detection, video management and life safety systems affected.
   2. ALL additional security measures that will be in place, will be defined in detail by the Warden or designated custody staff, during the construction period.

B. If a window of MORE THAN TWO HOURS is required for electrical shut down, then a redundant backup Generator MUST BE ON SITE during the construction, to provide power to ALL PERIMETER DETECTION, VIDEO MANAGEMENT, AND LIFE SAFETY SYSTEMS during the construction period.

C. THIS HAS BEEN DETERMINED BY LEADERSHIP TO BE A SEASONAL REPAIR, AND MUST BE SCHEDULED BETWEEN THE MONTHS OF MAY AND OCTOBER.

3.04 ELECTRICAL, GENERATOR AND BACK UP SUPPLY

A. An Hour by Hour Schedule MUST be submitted to MDOC leadership and the Facility for review 2 weeks prior to implementing the construction. In this the document submitted to leadership the following must be included for leadership:
   1. ALL building systems, perimeter detection, video management and life safety systems affected.

2. ALL additional security measures that will be in place, will be defined in detail by the Warden or designated custody staff, during the construction period.

3. Schedule shall look like the following:
1/21/2020
• 8am – 10am Facility run on generator #2 during utility shut down for installation of temporary wires for temporary switch gear.
1/22/2020
• 7am - 12pm Transfer Food Service to single feed, disconnect deenergized feed either A6 or B6 and connect into temporary switch gear, once this is complete shift Food service to new temp feed and perform same operation on other feed. *If all gear operates and transfers, no power interruption would be seen in Food Service.*
• 1pm – 3pm Power plant service disconnected and transferred to temporary switch gear. *During this time no steam will be produced for Food service, Laundry, Heat, and Hot water. If Temperatures are to low this will be postponed. Owner may have temporary generator available to back up steam boiler.*
1/27/2020
• 8am – 10am Complete power shut down for Administration and I Block.
• 1pm – 3pm Complete power shut down for Warehouse and J Block.
1/28/2020
• 8am – 10am Complete power shut down of Aerial lines. This will affect the Bar Screen, Maintenance South, and 4 post which feeds all Wall Lighting.
• 12pm – 3pm Contingency Time slot for Food Service or Power Plant.
1/29/2020
• 8am – 10am Complete facility shut down to remove parallel 750KCM.
• 11am – 3pm Contingency Time slot

B. If a window of MORE THAN TWO HOURS is required for electrical shut down, then a redundant back up power supply MUST BE ON SITE during the construction, to provide power to ALL PERIMETER DETECTION, VIDEO MANAGEMENT, AND LIFE SAFETY during the construction period.

3.05 LIFE SAFETY

A. An Hour by Hour Schedule MUST be submitted to MDOC leadership and the Facility for review 2 weeks prior to implementing the construction. In this the document submitted to leadership the following must be included for leadership:
1. ALL building systems, perimeter detection, video management and life safety systems affected.
2. ALL additional security measures that will be in place, will be defined in detail by the Warden or designated custody staff, during the construction period.

B. If a window of MORE THAN TWO HOURS is required for electrical shut down, then a redundant back up power supply MUST BE ON SITE during the construction, to provide power to ALL PERIMETER DETECTION, VIDEO MANAGEMENT, AND LIFE SAFETY SYSTEMS during the construction period.

C. GIVEN THE NATURE OF THESE REPAIRS, A TIME LIMIT REQUIREMENT, MUST BE IMPLIMENTED.

END OF SECTION