7/22/2025

To: All Potential Respondents
From: Construction Procurement
Subject: RFQ 943800-01 DOC FDCF Warehouse Loading Dock Ramp Repairs

Request for Quote

The State of Iowa is conducting a Request for Quote for a contractor to remove and replace existing concrete paving for the loading dock at the Warehouse Building, including replacement of steel bollards, building expansion joints and sealants and painting. See Exhibit B for additional detail.

All work must be done on-site at the Fort Dodge Correctional Facility and all personnel must pass a background check. Information required for the background check includes full name, birthdate, state driver's license # or State id#, and social security number.

The pavement replacement shall be completed no later than November 3rd, 2025.

The Project is located at 1500 L St, Fort Dodge, IA 50501.

Please upload your quote on the Exhibit A pricing form of this solicitation utilizing the Iowa IMPACS Procurement System (https://bids.sciquest.com/apps/Router/PublicEvent?CustomerOrg=DASIowa) prior to **August 18th at 2:00pm (**CT).

All questions regarding this solicitation must be received by email **by 2:00pm (CT) ON August 12th, 2025.**

For site visits please reach out to the facility via email at jeremiah.johnson@iowa.gov.

Contract Terms and Conditions
This procurement will result in a Consensus 802 Agreement. By submitting a quote, respondent agrees to the contract terms and conditions available at:
https://das.iowa.gov/sites/default/files/procurement/pdf/ConsensusDoc802.pdf

Performance Bond
Respondent must provide a Performance and Payment Bond in accordance with Section 10.8 of Consensus 802 Agreement.

Insurance Requirements
See sample Certificate of Insurance attached as Exhibit D for required limits, additional insured requirements and waiver of subrogation.

Attachments:
Exhibit A Pricing Form
Exhibit B Scope of Work
Exhibit C Facility Work Requirements
Exhibit D Certificate of Insurance
Exhibit E Proposed Schedule
Exhibit F Hazardous Material Survey

Exhibit A Pricing Form
DOC FDCF Warehouse Loading Dock Ramp Repairs
Fort Dodge Correctional Facility
Request for Quote RFQ 943800-01

Due Monday August 18th, 2025, at 2:00PM (CT)

Please submit this completed form with your Quote to:
Iowa IMPACS Procurement System
(https://bids.sciquest.com/apps/Router/PublicEvent?CustomerOrg=DASIowa)

This form is to be completed in ink or typewritten.
Only pricing on this form or an exact copy of this form will be accepted.
Pricing Form shall be signed by an officer of the firm with authority to bind Respondent to Contract.

Respondent acknowledges receipt of the following Addenda (if issued) which are part of the RFQ documents:

Addendum No. _____Date_____

Addendum No._____ Date _____

Freight Terms: FOB Destination, Freight Pre-Paid

The State reserves the right to reject any or all quotes without penalty and to waive minor deficiencies and informalities if, in the judgement of the State, it's best interests will be served.

Respondents must submit pricing for all scope of work items indicated per the attached Exhibit B. The State reserves the right to evaluate pricing. The State intends to make one Award for this project.

Lump Sum Quote Price for FDCF Warehouse Loading Dock Ramp Repairs

Base Bid: Loading Dock Ramp Repairs (Labor and Material(s)) Total $_____

Alternate NO. 1: (ADD) State the lump sum price to remove and replace the concrete paving on the lower dock area as indicated in the drawings. (Labor and Material(s)) Total $_____

Please note all pricing is to be delivered price. That is why we are stating FOB Destination, Freight Pre-Paid.

Signature _____

Name (Print) _____

Title _____

Company _____

Address _____

City, St., Zip _____

Phone #_____ **Fax #**_____

E-mail _____

Exhibit B Scope of Work

DOC FDCF Warehouse Loading Dock Ramp Repairs
Fort Dodge Correctional Facility
Request for Quote RFQ 943800-01

Due Monday August 18th, 2025, at 2:00PM (CT)

Description

Base Bid: Remove and replace existing concrete paving for the loading dock at the Warehouse Building as shown in the project documents. Other work includes replacement of steel bollards, building expansion joints and sealants and painting as shown in the project documents.

Alternate #01: Remove and replace the concrete paving on the lower dock area as indicated in the project documents. Approximate area is 250 sq ft. Scope includes 6" thick concrete, mesh reinforcement, and 2" gravel subbase with expansion joints and building expansion joints as indicated.

1. The Contractor's Work includes all labor, supervision, materials, equipment, services, supplies, tools, facilities, transportation, hoisting, storage, receiving, licenses, inspections, certifications, overhead, profit, or other items required or reasonably inferable to properly and timely perform and complete all work and services to be performed by the Contractor pursuant to this Agreement. Unless specifically stated otherwise, incidental work required to accomplish the work of this Bid Package shall be included the bid. This would include, but not be limited to, temporary facilities, protection of the work, security of equipment, materials, and work in progress, etc. Contractor's Work shall be performed in accordance with the Drawings and Specifications.
2. Contractor is responsible for all labor and equipment to unload, account for all material delivered, stock, and delivery for this scope of work. Storage and delivery of materials and equipment at the Site shall be permitted only to the extent approved in advance by the Construction Manager, and if anything so stored obstructs the progress of any portion of the work, it shall be promptly removed or relocated by the Contractor without reimbursement.
3. On site supervision by Prime Contractor at all times work by that contractor or their subcontractors/suppliers is taking place.
4. Provide all temporary facilities required for this scope of work including trailer, trailer power, telephone, secured storage, temporary power for work, temporary and task lighting for work, etc. as determined necessary by Contractor. Coordinate location of trailers, material storage and utility lines with Construction Manager. Limited space is available, and permission to bring any such facility or excess materials on to the site shall be approved by the Construction Manager.
5. Contractor shall provide all equipment and tools for Contractor's own cleanup. Clean up shall be done at end of every shift or more frequently if required for the Contractor to perform their work, for other Contractors to perform their work, as required by the Owner's operations, and at the discretion of the Construction Manager.
6. All turf, landscaping, and subgrade disturbances caused by equipment traffic or other activities related to the Contractor's scope shall be repaired or restored to proper conditions by the owner, but the contractor is responsible to minimize any damage caused to the facility's landscaping.
7. Protect adjacent existing building elements from damage from Scope of work. Repair existing building elements damaged during Contractor's Scope of work.

Quote Scope Summary – Bid Package #01

Includes Divisions 00-32 & Drawings A0.0-A2.0

Specifications

- 00 0107 – Certifications Page
- 00 0110 – Table of Contents
- 00 0115 – Enumeration of Drawings
- 00 3120 – Information Available to Bidders
- 00 3120-01 – Terracon Geotechnical Report
- 00 3126 – Existing Hazardous Material Information
- 01 1000 – Summary
- 01 2300 – Alternates
- 02 4119 – Selective Structure Demolition
- 05 5000 – Metal Fabrications
- 07 9200 – Joint Sealants
- 07 9500 – Expansion Control
- 09 9100 – Painting
- 31 2000 – Earth Moving
- 32 1313 – Concrete Paving

Drawings

- A0.0 – Cover, Contacts, Legends, & Abbreviations
- A0.1 – Location, Security, & Staging Map
- A1.0 – Partial Plan
- A1.1 – Enlarged Plan
- A2.0 – Details

SECTION 00 0107 – CERTIFICATION PAGE

I hereby certify that the portion of this technical submission described below was prepared by me or under my supervision and responsible charge. I am a duly registered architect under the laws of the state of Iowa.

GENESIS Architectural Design
Edward L. Matt, AIA

_____
Signature

Pages or sheets covered in part or whole by this seal:
Specifications Div.1 thru 31.

Date Issued: _____April 16, 2025_____

SECTION TITLE

END OF SECTION

SECTION 00 0115 – ENUMERATION OF DRAWINGS

ARCHITECTURAL DRAWINGS

A0.0 COVER, SHEET INDEX, SYMBOLS AND ABBREVIATIONS
A0.1 LOCATION AND STAGING MAP
A1.0 PARTIAL PLAN
A1.1 ENLARGED PLAN
A2.0 DETAILS

END OF SECTION

DOCUMENT 00 3120 – INFORMATION AVAILABLE TO BIDDERS

PART 1 - GENERAL

1.1 PAVEMENT CORE SAMPLE REPORT

A. A subsurface exploration report entitled “GEOTECHNICAL ENGINEERING REPORT”.

1. The report was prepared by Terracon and is dated Feb. 28, 2025.
2. The report is bound into this Project Manual immediately following this Section for reference.

B. Information Documents shall not be considered a representation or warranty that information contained therein is accurate, complete or appropriate.

C. This report identifies properties of below grade conditions and offers recommendations for project design, prepared primarily for the use of the Architect/Engineer. The recommendations described shall not be construed as a requirement of this Contract, unless specifically referenced in the Contract Documents.

D. Bidder shall interpret and draw its own conclusions about Information Documents and is encouraged to obtain specialist advice with respect thereto. The Architect and Owner assume no responsibility for such interpretations and conclusions.

E. This report, by its nature, cannot reveal all conditions that exist on the site. Should subsurface conditions be found to vary substantially from this report, changes in the design and construction will be made, with resulting credits or expenditures to the Contract Sum.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 00 3120

SECTION 00 3126 - EXISTING HAZARDOUS MATERIAL INFORMATION

1.1 EXISTING HAZARDOUS MATERIAL INFORMATION

A. The following Document with its referenced attachments is part of the Procurement and Contracting Requirements for Project. They provide Owner's information for Bidders' convenience and are intended to supplement rather than serve in lieu of Bidders' own investigations. They are made available for Bidders' convenience and information, but are not a warranty of existing conditions. This Document and its attachments are not part of the Contract Documents.

B. An existing hazardous materials report related to this Project, was prepared by:

1. ATLAS Technical Consultants dated January 16, 2025 is available for viewing as attached to this Document.

2. Atlas Project #204BS08099.

C. Related Requirements:

1. Section 02 4119 "Selective Structure Demolition" for notification requirements if materials suspected of containing hazardous materials are encountered.

END OF DOCUMENT 00 3126

SECTION 01 1000 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Work covered by the Contract Documents.
2. Work phases.
3. Use of premises.
4. Owner's occupancy requirements.
5. Specification formats and conventions.

1.2 WORK COVERED BY CONTRACT DOCUMENTS

A. Project Identification: DOC FDCF Warehouse Loading Dock Ramp Repairs.
DAS Project # 9438.00. Genesis No. 2412.

B. Project Location: Ft. Dodge Correctional Facility, 1550 L Street, Ft. Dodge, Iowa 50501.

C. Owners: State of Iowa, Department of Administrative Services, 109 SE 13th Street, Des Moines, Iowa 50319.

D. Client: Ft. Dodge Correctional Facility, 1550 L Street, Ft. Dodge, Iowa 50501.

E. Construction Manager: Noah Thelen, McGough Construction, 217 E. 2nd Street, Suite 120, Des Moines, Iowa 50309.

F. Architect: Edward L. Matt, AIA, GENESIS Architectural Design, 939 Office Park Road, West Des Moines, Iowa 50265.

G. The Work consists of the following:

H. The scope of work is to remove and replace existing concrete paving for the loading dock at the Warehouse Building. Other work includes replacement of steel bollards, building expansion joints and sealants and painting.

1.3 WORK PHASES

A. The Work shall be conducted in multiple phases.

B. Before commencing Work submit a schedule showing the sequence, commencement and completion dates for all portions of the Work.

1.4 USE OF PREMISES

A. General: Contractors shall have limited use of premises for construction operations as indicated on Drawings by the Contract limits.

B. Use of Site: Limit use of premises to work in the immediate construction areas of the building. Do not disturb portions of project site beyond. Repair any damage to the grounds surrounding the building resultant to the construction activity.

1. Limits: Confine construction operations to limit site disturbance to the property immediately surrounding the building unless pre-approved by Owner.

2. Owner Occupancy: Allow for Owner occupancy and use by the public, for the building sites during the roof construction.

3. Driveways and Entrances: Keep roads, driveways, loading areas, overhead doors and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.

a. Schedule deliveries to minimize use of driveways and entrances.
b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

C. Use of Existing Buildings: Maintain existing buildings in a weather tight condition throughout construction period. Repair damage caused by construction operations. Protect building and its occupants during construction period.

1.5 OWNER'S OCCUPANCY REQUIREMENTS

A. Full Owner Occupancy: Owner will occupy site and existing building during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's day-to-day operations. Maintain existing exits, unless otherwise indicated.

1. Maintain access to existing walkways, and other adjacent occupied or used facilities. Do not close or obstruct walkways, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.

B. Background Checks. Each worker that the subcontractors proposes to use at the site shall be required to submit a background check for law enforcement record checks at least 14 days in advance of their planned arrival at the site. Only workers approved by the institution/facility after the background check shall be used on the project.

1.6 SPECIFICATION FORMATS AND CONVENTIONS

A. Specification Format: The Specifications are organized into Divisions and Sections using the 16-division format and CSI/CSC's "MasterFormat" numbering system.

1. Division 01: Sections in Division 01 govern the execution of the Work of all Sections in the Specifications.

B. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred as the sense requires. Singular words shall be interpreted as plural and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.
2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 1000

SECTION 01 2300 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.

C. Execute accepted alternates under the same conditions as other work of the Contract.

D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. ALTERNATE NO. 1. (ADD) State the lump sum price to remove and replace the concrete paving on the lower dock area as indicated in the Drawings. Approximate area is 250 sq. ft. Scope to include 9 inch thick concrete, mesh reinforcing and 6” of gravel subbase with expansion joints and building expansion joints as indicated. Provide the same concrete design mix and backfill compaction as specified for the Base Bid work scope.

END OF SECTION 01 2300

SECTION 02 4119 - SELECTIVE STRUCTURE DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Demolition and removal of selected portions of building or structure.

1.2 DEFINITIONS

A. Remove: Detach items from existing construction and legally dispose of them off-site, unless indicated to be removed and salvaged or removed and reinstalled.

B. Remove and Salvage: Detach items from existing construction and deliver them to Owner.

C. Remove and Reinstall: Detach items from existing construction, prepare them for reuse, and reinstall them where indicated.

D. Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

1.3 INFORMATIONAL SUBMITTALS

A. Pre-demolition Photographs or Videotapes: Show existing conditions of adjoining construction and site improvements, including finish surfaces that might be misconstrued as damage caused by selective demolition operations.

1.4 PREINSTALLATION MEETINGS

A. Pre-demolition Conference: Conduct conference at Project site.

1.5 PROJECT CONDITIONS

A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.

B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.

C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.

D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the work.
   1. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Owner will remove hazardous materials under a separate contract.

      a. In the case of asbestos, stop work in the area of potential hazard, and rope off area until the questionable material is identified. Reassign workers to continue work in unaffected areas. Resume work in the area of concern after safe working conditions are verified.

E. Storage or sale of removed items or materials on or off site is not permitted.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.

B. Standards: Comply with ASSE A10.6 and NFPA 241.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that utilities have been disconnected and capped.

B. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.

C. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to Architect.

D. Contact the Architect to assess the condition of the building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during selective demolition operations.

E. Survey of Existing Conditions: Record existing conditions by use of preconstruction photographs.

3.2 PROTECTION

A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.

1. Remove temporary barricades and protections where hazards no longer exist.

3.3 SELECTIVE DEMOLITION

A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:

1. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping. Temporarily cover openings to remain.
2. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
3. Dispose of demolished items and materials promptly.

B. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.

C. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and reinstalled in their original locations after selective demolition operations are complete.

3.4 CLEANING

A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

1. Do not allow demolished materials to accumulate on-site.

3.5 DISPOSAL OF DEMOLISHED MATERIALS

A. General: Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, remove demolished materials from Project site and legally dispose of them in an EPA-approved landfill.

B. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

END OF SECTION 02 4119

SECTION 05 5000 - METAL FABRICATIONS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Metal bollards.

1.2 SUBMITTALS

A. Shop Drawings: Include plans, elevations, sections, and details of metal fabrications and their connections. Show anchorage and accessory items.

PART 2 - PRODUCTS

2.1 METALS

A. Metal Surfaces, General: Provide materials with smooth, flat surfaces without blemishes.

B. Ferrous Metals:

1. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.
2. Steel Pipe: ASTM A 53/A 53M, standard weight (Schedule 40), unless another weight is indicated or required by structural loads.

2.2 FASTENERS

A. General: Zinc-plated fasteners with coating complying with ASTM B 633, at exterior walls. Select fasteners for type, grade, and class required.

2.3 MISCELLANEOUS MATERIALS

A. Universal Shop Primer: Fast-curing, lead- and chromate-free, universal modified-alkyd primer complying with MPI #79.

B. Zinc-Rich Primer: Complying with SSPC-Paint 20 or SSPC-Paint 29 and compatible with topcoat.

1. Products:

a. Benjamin Moore & Co.; Epoxy Zinc-Rich Primer CM18/19.

b. Carboline Company; Carbozinc 621.
c. ICI Devoe Coatings; Catha-Coat 313.
d. International Coatings Limited; Interzinc 315 Epoxy Zinc-Rich Primer.
e. PPG Architectural Finishes, Inc.; Aquapon Zinc-Rich Primer 97-670.
f. Sherwin-Williams Company (The); Corothane I GalvaPac Zinc Primer.
g. Tnemec Company, Inc.; Tneme-Zinc 90-97.
h. Other as pre-approved.

2.4 FABRICATION

A. General: Preassemble items in the shop to greatest extent possible. Use connections that maintain structural value of joined pieces.

1. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges. Remove sharp or rough areas on exposed surfaces.

B. Metal Bollards: Fabricate from Schedule 40 steel pipe.

1. Fill bollards with concrete and cap by doming with concrete.

2.5 FINISHES

2.6 FINISHES

A. Steel and Iron Finishes:

1. Hot-dip galvanize items as indicated to comply with ASTM A 123/A 123M or ASTM A 153/A 153M as applicable.
2. Preparation for Shop Priming: Prepare uncoated ferrous-metal surfaces to comply with requirements indicated below for environmental exposure conditions of installed metal fabrications:

a. Exteriors (SSPC Zone 1B) and Items Indicated to Receive Zinc-Rich Primer: "Commercial Blast Cleaning."

3. Shop Priming: Apply shop primer to uncoated surfaces of metal fabrications, except those with galvanized finishes and those to be embedded in concrete, sprayed-on fireproofing, or masonry, to comply with SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting," for shop painting.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General: Perform cutting, drilling, and fitting required for installing metal fabrications. Set metal fabrications accurately in location, with edges and surfaces level, plumb, and true.

1. Provide temporary bracing or anchors in formwork for items that are to be built into concrete, masonry, or similar construction.

B. Bollards:

1. Anchor bollards in place with concrete footings. Place concrete and vibrate or tamp for consolidation. Support and brace bollards in position until concrete has cured.
2. Fill bollards solidly with concrete, mounding top surface to shed water.

C. Finishing:

1. Painted Surfaces: Clean abraded areas and touch up paint with the same material as used for shop painting.

2. Provide two coats of "Safety Yellow" paint to the bollards. See Division 09 9100.

END OF SECTION 05 5000

SECTION 07 9200 - JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes joint sealants for the following applications:

1. Exterior joints in vertical surfaces and horizontal nontraffic surfaces.

1.2 PERFORMANCE REQUIREMENTS

A. Provide elastomeric joint sealants that establish and maintain watertight and airtight continuous joint seals without staining or deteriorating joint substrates.

1.3 SUBMITTALS

A. Product Data: Provide product certificates, compatibility and adhesion test reports for each joint-sealant product indicated.

B. Color Samples: Submit color charts or actual samples for the color of joint sealant required.

1.4 WARRANTY

A. Manufacturer's Warranty: Manufacturer's standard form in which elastomeric sealant manufacturer agrees to furnish elastomeric joint sealants to repair or replace those that do not comply with performance and other requirements specified in this Section within specified warranty period.

1. Warranty Period: One year from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, products listed in other Part 2 articles.

2.2 MATERIALS, GENERAL

A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by sealant manufacturer, based on testing and field experience.

A. Colors of Exposed Joint Sealant: As selected by Architect from manufacturer's full range.

2.3 ELASTOMERIC JOINT SEALANTS

A. Elastomeric Sealants: Comply with ASTM C 920 and other requirements indicated for each liquid-applied chemically curing sealant specified, including those referencing ASTM C 920 classifications for type, grade, class, and uses related to exposure and joint substrates.

B. Stain-Test-Response Characteristics: Where elastomeric sealants are specified to be nonstaining to porous substrates, provide products that have undergone testing according to ASTM C 1248 and have not stained porous joint substrates indicated for Project.

A. Single-Component Pourable Urethane Sealant.

1. Available Products:

   a. MasterSeal Sonolastic SL 1.
   b. Pecora Corporation; Urexpan NR-201.
   c. Tremco; Vulkem 445SSL.
   d. Others as pre-approved.

2. Type and Grade: S (single component) and P (pourable).
3. Class: 25.
4. Use Related to Exposure: T (traffic).
5. Uses Related to Joint Substrates: M and, as applicable to joint substrates indicated, O.

2.4 JOINT-SEALANT BACKING

A. General: Provide sealant backings of material and type that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.

B. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint where such adhesion would result in sealant failure. Provide self-adhesive tape where applicable.

2.5 MISCELLANEOUS MATERIALS

A. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.

B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.

C. Masking Tape: Non-staining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 PREPARATION

A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants.

1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant.

a. Clean porous joint substrate surfaces by brushing, grinding, blast cleaning, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out joints with oil-free compressed air.

B. Joint Priming: Prime joint substrates, where recommended in writing by joint-sealant manufacturer, based on preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.

C. Masking Tape: Use masking tape where required to prevent contact of sealant with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

3.2 INSTALLATION

A. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.

B. For exterior sealants, the temperature must be 40°F (5°C) or above at the time the sealant is applied.

C. Install sealant backings of type indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.

1. Do not leave gaps between ends of sealant backings.
2. Do not stretch, twist, puncture, or tear sealant backings.

3. Remove absorbent sealant backings that have become wet before sealant application and replace them with dry materials.

D. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backs of joints.

E. Install sealants using proven techniques that comply with the following:

1. Place sealants so they directly contact with joint substrates.
2. Completely fill recesses in each joint configuration.
3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.

F. Clean off excess sealant or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.

G. For polyurethane sealants, tool clean up and excess sealant smears can be removed with xylene or mineral spirits.

3.3 EXTERIOR JOINT-SEALANT SCHEDULE

A. Joint-Sealant Application EJS-1: Exterior horizontal nontraffic and traffic isolation and contraction joints in cast-in-place concrete slabs.

1. Joint Sealant: Single-component pourable urethane sealant.
2. Joint-Sealant Color: Gray.

END OF SECTION 07 9200

SECTION 07 9500 - EXPANSION CONTROL

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes pre-compressed horizontal expansion joint systems for building exteriors.

1.2 SUBMITTALS

A. Product Data: For each type of joint product indicated.

B. Shop Drawings: Provide placement drawings, including line diagrams and details. Submit typical expansion joint cross-section(s) indicating pertinent dimensioning of opening, profile recess and adjacent construction. Include standard color selections.

1.3 PRODUCT DELIVERY, STORAGE AND HANDLING

A. Deliver products to site in Manufacturer’s original, intact, labeled containers. Handle and protect as necessary to prevent damage or deterioration during shipment, handling and storage. Store off the ground, protect from weather and construction activities. Store in accordance with manufacturer’s installation instructions.

1.4 WARRANTY

A. Manufacturer's Warranty: Manufacturer's standard form in which manufacturer agrees to furnish materials to repair or replace those that fail within the warranty period.

PART 2 - PRODUCTS

2.1 ARCHITECTURAL JOINT SYSTEMS, GENERAL

A. General: Provide joint systems of design indicated.

1. Furnish in longest practicable lengths to minimize splicing. Install with hairline mitered corners where joint changes direction.
2. Include factory-fabricated closure materials and transition pieces to provide continuous joint systems.

B. Design architectural joint systems for the following size and movement characteristics:
1. Nominal Joint Width: As indicated on Drawings.

2.2 ARCHITECTURAL JOINT SYSTEMS FOR BUILDING EXTERIORS

A. Basis-of-Design Product: Subject to compliance with requirements, provide the products specified below as basis-of-design products or a comparable product by one of the following:

1. ColorSeal by EMSEAL Joint Systems, Ltd.
2. WaboHSeal, by Watson Bowman Acme Corp.
3. WillSeal 250, by TREMCO.
4. Others as pre-approved.

B. Joint Systems for Exterior Concrete Slabs. Preformed, Pre-Compressed, Self-Expanding, Sealant System with Silicone Pre-Coated Surface Non-Traffic, High Movement, Primary Seal for Horizontal Joints.

1. Basis-of-Design Product: Horizontal WaboH Seral as manufactured by Watson Bowman Acme Corp.

2. Type: Expansion Control, Preformed Cellular Foam.

C. Seal Material: Pre-formed sealant shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system. Expanding foam to be cellular foam impregnated with a water-based, non-drying, 100% acrylic dispersion. Seal shall combine factory-applied, low-m Foam Seals: Install with adhesive recommended by manufacturer.

a. Modulus silicone and a backing of acrylic-impregnated expanding foam into a unified hybrid sealant system.

b. Material shall be capable of movements of +50%, -50% (100% total) of nominal material size.

c. Product shall be mildew resistant, non-staining and non-bleeding.

d. Size and Model: 25EH, 3/4” wide by 2” deep.

e. Color: Manufacturer’s standard Gray color.

PART 3 - EXECUTION

3.1 PREPARATION

A. Prepare substrates according to manufacturer's written instructions.

B. Repair concrete slab edges and blockouts using manufacturer's recommended repair grout.

C. Coordinate and furnish anchorages, setting drawings, and instructions for installing joint systems. Provide fasteners of metal, type, and size to suit type of construction.

3.2 PREPARATION

A. Comply with manufacturer's written instructions for storing, handling, and installing architectural joint assemblies and materials unless more stringent requirements are indicated.

B. Inspect joint opening for any deficiencies such as spalled edges or protrusions. Repair joint opening deficiencies prior to installation of joint material.

3.3 INSTALLATION

A. Where indicated and noted on the contract drawings, install seal profiles in a neat workmanlike manner. All surfaces to receive seals shall be free from dirt, water, frost and any loose foreign debris that may be detrimental to effective joint sealing.

B. Carefully unpackage pre-compressed joint material the shipping forms. Do not cut or puncture the silicone face membrane on top of the joint material. Set material quickly into joint before it expands.

C. Tape off edges of substrate to prevent epoxy adhesive exposure.

D. Install with adhesive recommended by manufacturer. Preformed sealant to be installed using manufacturer’s standard field-applied 2 component epoxy adhesive on both sides of joint. Mix and apply the epoxy adhesive per manufacturer’s recommendations.

E. Preformed sealant to be installed slightly recessed from the surface such that when the field-applied injection band of silicone is installed between the substrates and the foam-and-silicone-bellows, the system will be flush with the substrate surface.

F. Provide a 45 deg. miter at “L” shaped corner transitions. Provide a 90 deg. butt joint at “T” shaped transitions.

3.4 PROTECTION

A. Do not remove protective covering until finish work in adjacent areas is complete.

B. Protect the installation from damage by work of other Sections.

END OF SECTION 07 9500

SECTION 09 9100 - PAINTING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes surface preparation and the application of paint systems on the following interior and exterior substrates:

1. Steel or galvanized metal.

1.2 SUBMITTALS

A. Product Data: For each type of paint product indicated.

B. Samples: Provide paint draw-down samples for approval on each finish and color.

1.3 QUALITY ASSURANCE

A. MPI Standards:
1. Preparation and Workmanship: Comply with requirements in "MPI Architectural Painting Specification Manual" for products and paint systems indicated.

PART 2 - PRODUCTS

2.1 PAINT, GENERAL

2.2 MANUFACTURERS

A. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to products by the following:

1. Manufacturers: Subject to compliance with requirements, provide products by the manufacturers specified.

a. Behr Paint Company.
b. Benjamin Moore &Co.
c. Diamond Vogel.
d. PPG Paints.
e. Pratt & Lambert.
f. Rust-Oleum Corp.
g. Sherwin-Williams Company.
h. Others as pre-approved.

B. Material Compatibility:

1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
2. For each coat in a paint system, provide products recommended in writing by manufacturers of top coat for use in paint system and on substrate indicated.

C. Colors: Manufacturer's standard paint color equal to "Safety Yellow".

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.

B. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.

C. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.

1. Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

3.2 PREPARATION AND APPLICATION

A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates indicated.

B. Clean substrates of substances that could impair bond of paints, including dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers as required to produce paint systems indicated.

C. New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary.

D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections.

E. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

F. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.3 EXTERIOR PAINTING SCHEDULE

A. Galvanized-Metal Substrates:

1. Alkyd Enamel System:

a. Prime Coat: Cementitious galvanized-metal primer.
b. Intermediate Coat: Exterior alkyd enamel matching topcoat.
c. Topcoat: Exterior alkyd enamel (semi-gloss). MPI #94.

END OF SECTION 09 9100

SECTION 31 2000 - EARTH MOVING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Excavating and backfilling.

1.2 DEFINITIONS

A. Backfill: Soil material used to fill an excavation.

B. Drainage Course: Course supporting the slab-on-grade that also minimizes upward capillary flow of pore water.

C. Excavation: Removal of material encountered above subgrade elevations and to lines and dimensions indicated.

1. Unauthorized Excavation: Excavation below subgrade elevations or beyond indicated lines and dimensions without direction by Architect. Unauthorized excavation, as well as remedial work directed by Architect, shall be without additional compensation.

D. Subgrade: Surface or elevation remaining after completing excavation, or top surface of a fill or backfill immediately below subbase, drainage fill, or topsoil materials.

E. Subbase Course: Aggregate layer placed between the subgrade and a cement concrete pavement or a cement concrete walk.

1.3 PROJECT CONDITIONS

A. Contractor is responsible to local all utilities within their work area prior to commencing work. Coordinate locations of site utilities with the City and the building Owner.

1.4 FIELD CONDITIONS

A. Utility Locator Service: Notify utility locator service for area where Project is located before beginning earth-moving operations.

PART 2 - PRODUCTS

2.1 SOIL MATERIALS

A. General: Provide borrow soil materials when sufficient satisfactory soil materials are not available from excavations.

B. Drainage Course: Narrowly graded mixture of crushed or uncrushed gravel; ASTM D 448; coarse-aggregate with 100 percent passing a 1-inch sieve.

C. Subbase Course: Naturally or artificially graded mixture of natural or crushed gravel; ASTM D 2940/D 2940M; except with at least 90 percent passing a 2-inch sieve and not more than 10 percent passing a No. 200 sieve.

PART 3 - EXECUTION

3.1 PREPARATION

A. Protect and maintain erosion and sedimentation controls during earthwork operations.

3.2 EXCAVATION

A. Excavate to subgrade elevations regardless of the character of surface and subsurface conditions encountered. Unclassified excavated materials may include rock, soil materials, and obstructions.

1. If excavated materials intended for fill and backfill include unsatisfactory soil materials and rock, replace with satisfactory materials.

3.3 FILL

A. Place and compact fill material in layers to required elevations as follows:

1. Under pavements, use satisfactory subbase and base material.

3.4 SUBBASE AND BASE COURSES UNDER PAVEMENTS

A. Place subbase course and base course on subgrades free of mud, frost, snow, or ice.

B. On prepared subgrade, place subbase course and base course under pavements as follows:

1. Place subbase course that exceeds 12 inches in compacted thickness in layers of equal thickness, with no compacted layer more than 4 inches thick.
2. Compact subbase course at optimum moisture content to required grades, lines, cross sections, and thickness to not less than 98 percent of maximum dry unit weight according to ASTM D 698 and ASTM D 1557.

3.5 COMPACTION OF BACKFILLS AND FILLS

A. Place backfill and fill materials in layers not more than 8 inches in loose depth for material compacted by heavy compaction equipment and not more than 4 inches in loose depth for material compacted by hand-operated tampers.

3.6 FIELD QUALITY CONTROL

A. Special Inspections: Owner will engage a qualified special inspector to perform inspections.

B. Testing Agency: Owner will engage a qualified geotechnical engineering testing agency to perform tests and inspections.

C. Allow testing agency to inspect and test subgrades and each fill or backfill layer. Proceed with subsequent backfilling only after test results for previously completed work comply with requirements.

D. When testing agency reports that subgrades, fills, or backfills have not achieved degree of compaction specified, remove and replace materials to depth required; recompact and retest until specified compaction is obtained.

3.7 PROTECTION

A. Protecting Graded Areas: Protect newly graded areas from traffic and erosion. Keep free of trash and debris.

3.8 DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. Disposal: Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose off Owner's property.

END OF SECTION 31 2000

SECTION 32 1313 - CONCRETE PAVING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes exterior cement concrete pavement for the following:

1. Driveways, parking lots and loading docks.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Design Mixtures: For each concrete pavement mixture.

1.3 QUALITY ASSURANCE

A. Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94/C 94M requirements for production facilities and equipment.

1. Manufacturer certified according to NRMCA's "Certification of Ready Mixed Concrete Production Facilities."

B. Concrete Testing Service: Owner will engage a qualified independent testing agency to perform material evaluation tests and concrete mixtures.

PART 2 - PRODUCTS

2.1 FORM MATERIALS

A. Rough-Formed Finished Concrete: Plywood, lumber, metal, or another approved material. Provide lumber dressed on at least two edges and one side for tight fit.

2.2 STEEL REINFORCEMENT

A. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 galvanized reinforcing bars deformed.

B. Galvanized-Steel Welded Wire Reinforcement: ASTM A 185, plain, fabricated from galvanized steel wire into flat sheets.

1. Provide 6” x 6” x W2.9 x W2.9 mesh for pavement slabs on grade.

C. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars and welded wire reinforcement in place. Manufacture bar supports from steel wire, plastic, or according to CRSI's "Manual of Standard Practice."

2.3 CONCRETE MATERIALS

A. Cementitious Material: Use one of the following cementitious materials, of the same type, brand, and source throughout the Project:

1. Portland Cement: ASTM C 150, Type I. Contractor may supplement with the following at a rate not to exceed 15%. Supplement with the following:

a. Fly Ash: ASTM C 618, Class C.
b. Ground Granulated Blast-Furnace Slag: ASTM C 989, Grade 100 or 120.

1. Normal-Weight Aggregates: ASTM C 33, graded, 1-inch nominal maximum coarse-aggregate size.

a. Fine Aggregate: Free of materials with deleterious reactivity to alkali in cement and coal/chert impurities that cause pop-outs.

2. Water: ASTM C 94/C 94M and potable.
3. Air-Entraining Admixture: ASTM C 260.

B. Chemical Admixtures: ASTM C 494/C 494M, of type suitable for application, certified by manufacturer to be compatible with other admixtures and to contain not more than 0.1 percent water-soluble chloride ions by mass of cementitious material.

2.4 CURING MATERIALS

A. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. when dry.

B. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.

C. Water: Potable.

D. Clear Waterborne Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B, dissipating.

2.5 WATER REPELLENT

A. Water Repellent and Chloride Screen: General-purpose clear liquid silane/siloxane water repellent and chloride screen for concrete and masonry. Protects horizontal concrete surfaces from moisture intrusion and chemical attack of chloride salts, reducing rebar corrosion and surface spalling.

1. Basis of Design: PROSOCO Saltguard.

2. Other Products: As pre-approved.

2.6 RELATED MATERIALS

A. Expansion- and Isolation-Joint-Filler Strips: ASTM D 1751, asphalt-saturated cellulosic fiber.

B. See related Section for Building Expansions Joints.

2.7 CONCRETE MIXTURES

A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, according to ACI 301.

B. Proportion normal-weight concrete mixture as follows:
1. Minimum Compressive Strength: (28 Days): 5,000 psi.
2. Maximum Water-Cementitious Materials Ratio: 0.45.
3. Slump Limit: 4 inches for concrete with verified slump of 2 to 4 inches before adding high range water reducing admixture or plasticizing admixture, plus or minus 1 inch.
4. Air Content: 4.5 percent, plus or minus 1.5 percent at point of delivery for 1-inch nominal maximum aggregate size for exterior concrete.

2.8 CONCRETE MIXING

A. Ready-Mixed Concrete: Measure, batch, and mix concrete materials and concrete according to ASTM C 94/C 94M and ASTM C 1116. Furnish batch certificates for each batch discharged and used in the Work.

PART 3 - EXECUTION

3.1 PROTECTION OF WORK AND ADJACENT AREAS

A. Protect adjacent slabs during construction. Any broken, cracked or damaged areas of adjacent slabs shall be removed and replaced at no cost to the Owner.

B. Provide suitable temporary barricades to protect sidewalks and paving areas from traffic. Paving areas shall be closed to traffic for at least 48 hours. The barricades used shall be orange plastic mesh on suitable posts. All barricades and barricading shall be approved by the Owner.

3.2 EXAMINATION

A. Proof-roll prepared subbase surface below concrete pavements with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding.

3.3 EDGE FORMS AND SCREED CONSTRUCTION

A. Set, brace, and secure edge forms, bulkheads, and intermediate screed guides for concrete to required lines, grades, and elevations. Install forms to allow continuous progress of work and so forms can remain in place at least 24 hours after concrete placement.

3.4 STEEL REINFORCEMENT

A. General: Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.

B. Welded Wire Fabric: Position reinforcing 2 inches from top of slab. Lap welded wire fabric at least 2 full mesh panels plus end extension of wires not less than 6 inches in slabs on grade.

3.5 JOINTS

A. General: Form construction, isolation, and contraction joints and tool edgings true to line with faces perpendicular to surface plane of concrete. Construct transverse joints at right angles to centerline, unless otherwise indicated.

B. Construction Joints: Set construction joints at side and end terminations of pavement and at locations where pavement operations are stopped for more than one-half hour unless pavement terminates at isolation joints.

C. Expansion and Isolation Joints: Form isolation joints of preformed joint-filler strips abutting concrete curbs, structures, walks, other fixed objects, and where indicated. Expansion joints shall be placed the full depth of the slab. After removing formwork, install joint-filler strips at slab junction locations, as indicated.

D. Contraction Joints: Form weakened-plane contraction joints, sectioning concrete into areas as indicated. Construct contraction joints for a depth equal to at least one-fourth of the concrete thickness for a depth equal to at least one-fourth of concrete thickness as follows:

1. Grooved Joints: Form contraction joints after initial floating by grooving and finishing each edge of joint to a radius of 1/8 inch. Repeat grooving of contraction joints after applying surface finishes. Eliminate groover tool marks on concrete surfaces.
2. Sawed Joints: Form contraction joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades. Cut 1/8-inch wide joints into concrete when cutting action will not tear, abrade, or otherwise damage surface and before concrete develops random contraction cracks.

3.6 CONCRETE PLACEMENT

A. Moisten subbase to provide a uniform dampened condition at time concrete is placed.

B. Comply with ACI 301 requirements for measuring, mixing, transporting, and placing concrete.

C. Before placing concrete, verify that installation of formwork, reinforcement, and embedded items is complete and that required inspections have been performed.

D. Deposit and spread concrete continuously in one layer or in horizontal layers of such thickness that no new concrete will be placed on concrete that has hardened enough to cause seams or planes of weakness. If a section cannot be placed continuously, provide construction joints as indicated. Deposit concrete to avoid segregation.

1. Consolidate placed concrete with mechanical vibrating equipment according to ACI 301.

E. Screed pavement surfaces with a straightedge and strike off.

F. Commence initial floating using bull floats or darbies to impart an open textured and uniform surface plane before excess moisture or bleed water appears on the surface. Do not further disturb concrete surfaces before beginning finishing operations or spreading surface treatments.

G. Cold-Weather Placement: Comply with ACI 306.1.

H. Hot-Weather Placement: Comply with ACI 301.

3.7 FLOAT FINISHING

A. General: Comply with ACI 302.1R recommendations for screeding and finishing operations for concrete surfaces.

B. Do not add water to concrete surfaces during finishing operations.

C. Float Finish: Begin the second floating operation when bleed-water sheen has disappeared and concrete surface has stiffened sufficiently to permit operations. Float surface with power-driven floats, or by hand floating if area is small or inaccessible to power units. Finish surfaces to true planes. Cut down high spots and fill low spots. Refloat surface immediately to uniform granular texture.

1. Medium-to-Fine-Textured Broom Finish: Draw a soft bristle broom across float-finished concrete surface perpendicular to line of traffic to provide a uniform, fine-line texture.

3.8 CONCRETE PROTECTION AND CURING

A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures.

B. Comply with ACI 306.1 for cold-weather protection.

C. Evaporation Retarder: Apply evaporation retarder to concrete surfaces if hot, dry, or windy conditions cause moisture loss before and during finishing operations. Apply after placing, screeding, and bull floating or darbying concrete, but before float finishing.

D. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.

E. Curing Methods: Cure concrete by moisture curing, moisture-retaining-cover curing, or a combination of these methods.

3.9 WATER REPELLENT

A. Water Repellent and Salt Screen: Before applying, read the Manufacturer's instructions.

1. Do not dilute or alter product.

B. Horizontal Application:

1. Apply protective treatment in a single saturating application. Use enough to keep the surface wet for a few minutes before penetrating.
2. Broom out all puddles thoroughly until they penetrate the surface.
3. Protect from rain and pedestrian traffic for 4-6 hours. Protect from vehicular traffic for 8-10 hours.

3.10 TOLERANCES

A. Comply with tolerances of ACI 117 and as follows:

1. Elevation: 1/4 inch
2. Thickness: Plus 3/8 inch, minus 1/4 inch.
3. Surface: Gap below a 10-foot long, unleveled straightedge not to exceed 1/4 inch.
4. Joint Spacing: Off not more than 2 inches.
5. Contraction Joint Depth: Plus 1/4 inch, no minus.
6. Joint Width: Plus 1/8 inch, no minus.

3.11 REPAIRING DEFECTIVE CONCRETE

A. Defective Concrete: Repair and patch defective areas as required by Architect. Remove and replace concrete that cannot be repaired and patched to Architect's approval.

B. Patching Mortar: Mix Dry-pack patching mortar, consisting of one part Portland cement to and one-half parts fine aggregate passing a No. 16 sieve, using only enough water for handling and placing.

A. Repairing Unformed Surfaces: Test unformed surfaces for finish and verify surface tolerances specified for each surface. Test surfaces to drain for trueness of slope and smoothness; use a sloped template.

1. Repair finished surfaces containing defects. Surface defects include spalls, pop outs, honeycombs, rock pockets, crazing and cracks in excess of 0.01 inch wide or that penetrate to reinforcement or completely through unreinforced section regardless of width, and other objectionable conditions.
2. Repair defective areas, except random cracks and single holes 1 inch or less in diameter, by cutting out and replacing with fresh concrete. Remove defective areas with clean, square cuts and expose steel reinforcement with at least a 3/4 inch clearance all around.

Dampen concrete surfaces in contact with patching cement and apply bonding agent. Mix Patching concrete of same materials and mixture as original concrete except without coarse aggregate. Place, compact, and finish to blend with adjacent finished concrete. Cure in same manner as adjacent concrete.

3. Repair random cracks and single holes 1 inch or less in diameter with patching mortar. Groove top of cracks and cut out holes to sound concrete and clean off dust, dirt, and loose particles. Dampen cleaned concrete surfaces and apply bonding agent. Place patching mortar before bonding agent has dried. Compact patching mortar and finish to match adjacent concrete. Keep patch area continuously moist for at least 72 hours.
4. Large areas with multiple defects may require panel sections between contraction joints to be cut out and replaced.

3.12 FINAL CLEANING

A. Concrete trucks are not allowed to deposit “washout” on any of the streets, driveways, or storm sewers of the facility. Coordinate an approved wash out location with Owner.

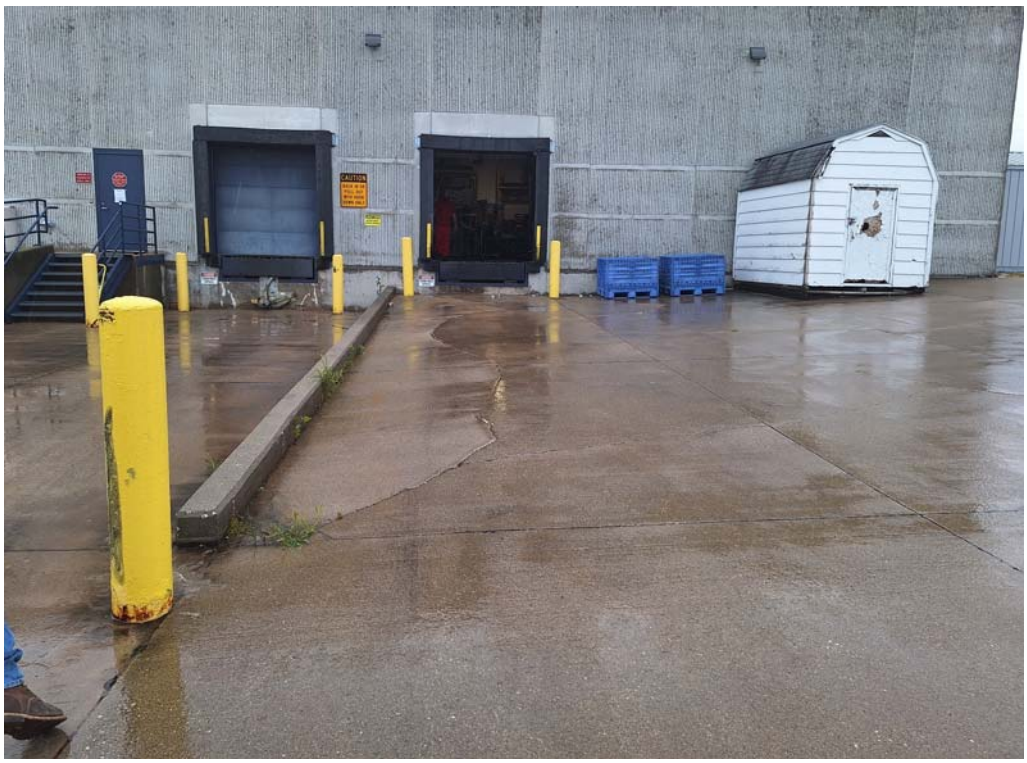
3.13 PROTECTION

A. Protect concrete from damage. Exclude traffic off for at least 14 days after placement.

B. Maintain concrete pavement free of stains, discoloration, dirt, and other foreign material. Sweep concrete pavement not more than two days before date scheduled for Substantial Completion inspections.

END OF SECTION 32 1313

WAREHOUSE LOADING DOCK AERIAL PHOTO



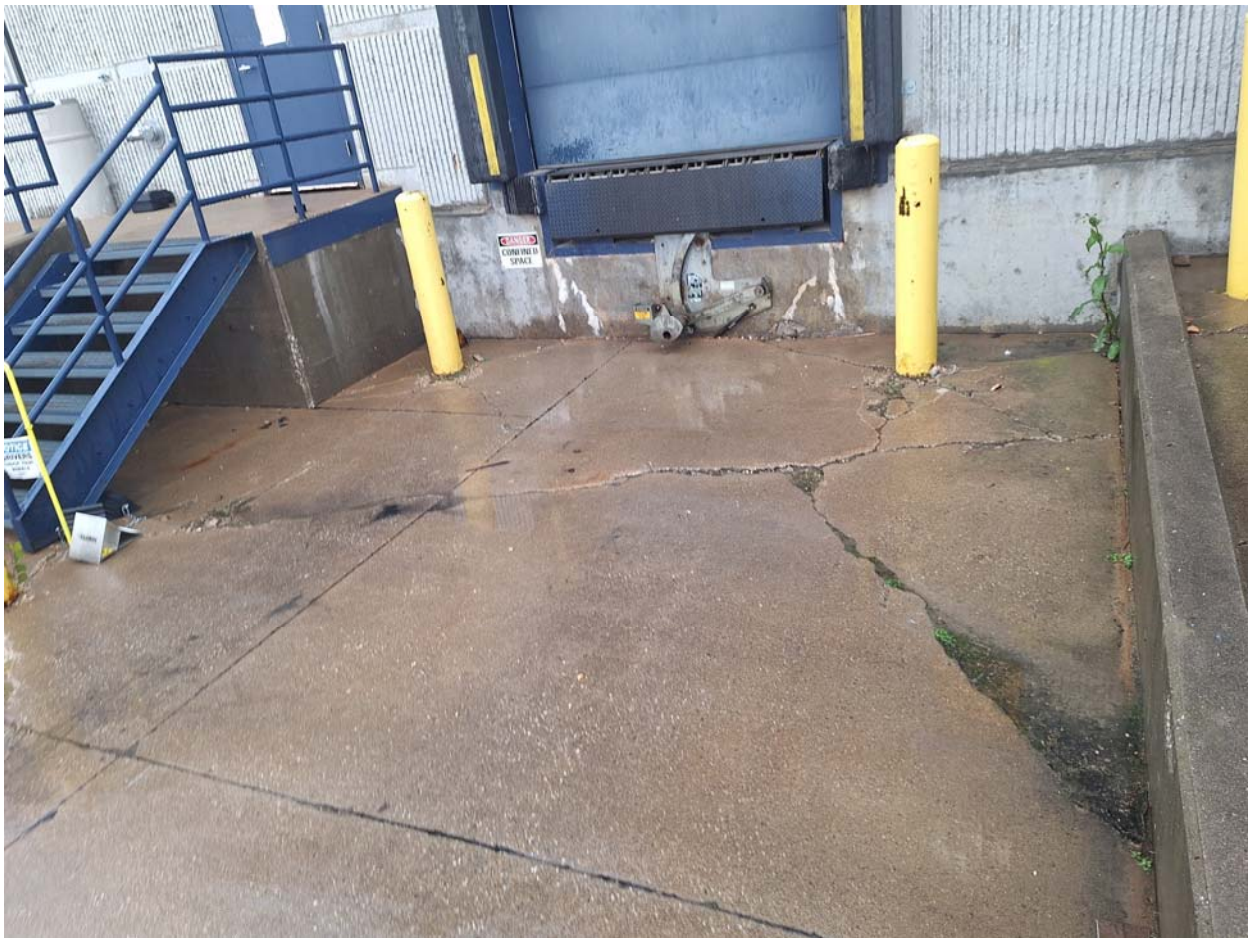
WAREHOUSE LOADING DOCK

WAREHOUSE LOADING DOCK

WAREHOUSE LOADING DOCK

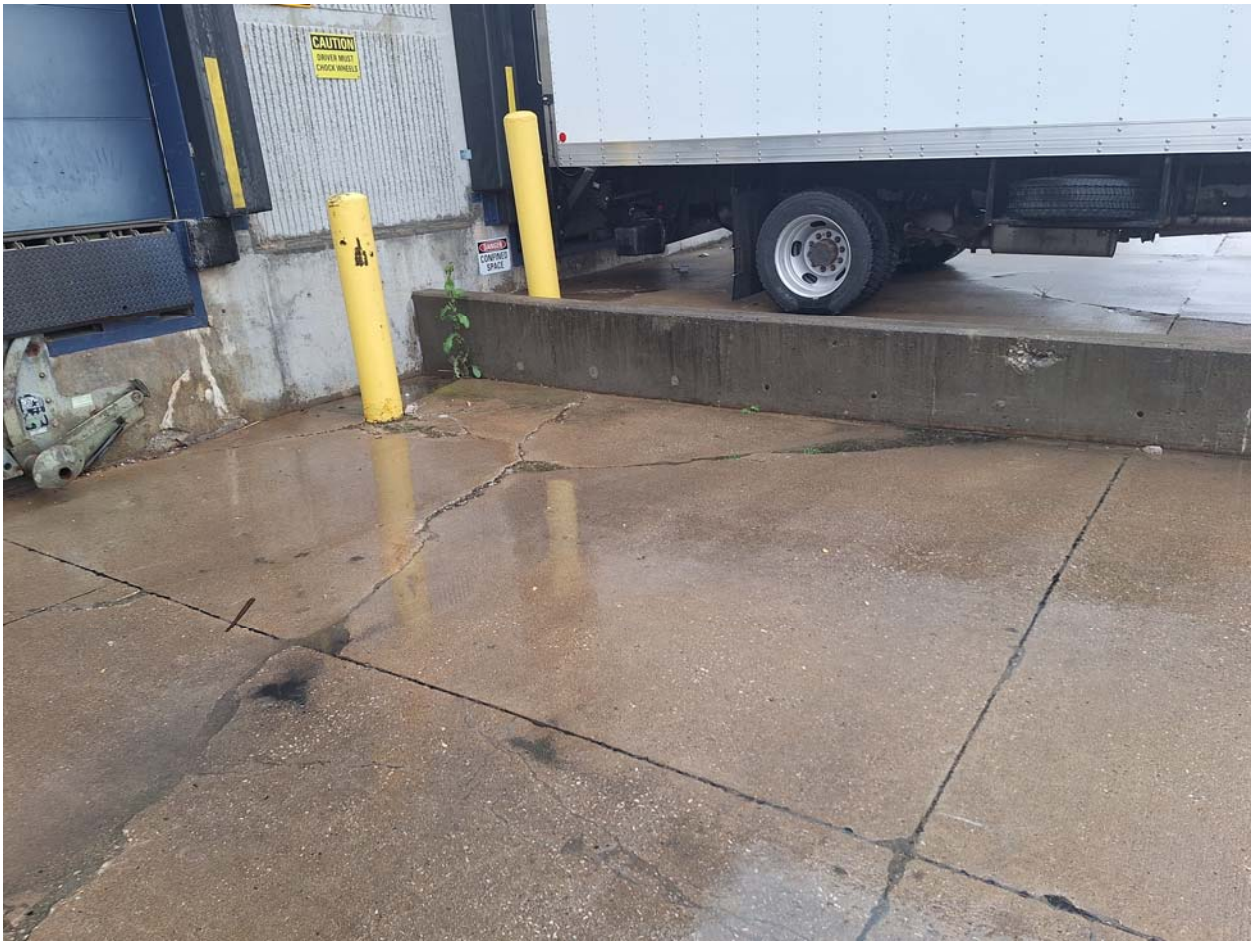
RIGHT SIDE BOLLARD

LEFT SIDE BOLLARD



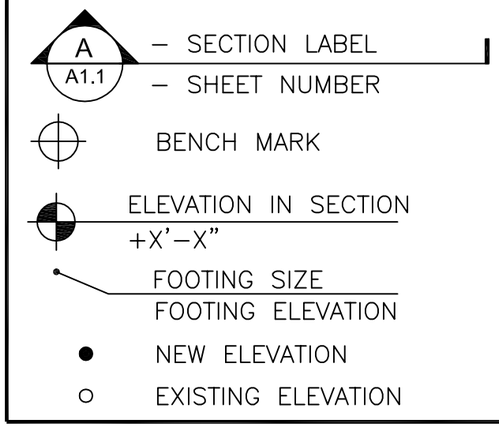
LOWER DOCK - BID ALTERNATE AREA

LOWER DOCK - BID ALTERNATE AREA



LOWER DOCK - BID ALTERNATE AREA

SYMBOLS LEGEND



DOC FDCF WAREHOUSE LOADING DOCK RAMP REPAIRS

FT. DODGE CORRECTIONAL FACILITY
1550 L STREET
FT. DODGE, IA 50501

DAS PROJECT No. 9438.00
GENESIS PROJECT No. 2412

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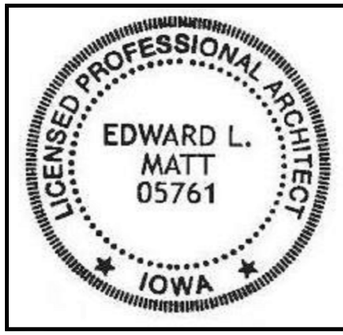
ABBREVIATIONS

ADJ	ADJUSTABLE	KW	KEY WALL	RM	ROOM
A/E	ARCHITECT / ENGINEER			RO	ROUGH OPENING
AHJ	AUTHORITY HAVING JURISDICTION			RS	ROOF SLOPE
ALUM	ALUMINUM	LF	LINEAR FOOT	RV	ROOF VENT
AMT	AMOUNT	LW	LIGHT WEIGHT		
ARCH	ARCHITECT	LT	LAMBS TONGUE	SCHED	SCHEDULE
ASPH	ASPHALT			SECT	SECTION
		MAU	MAKE UP AIR UNIT	SKL	SKY LIGHT
BLK	BLOCK			SL	SIDE LIGHT
BSMT	BASEMENT	MFR	MANUFACTURER	SS	STAINLESS STEEL
BUR	BUILT UP ROOFING	MTD	MOUNTED	STOR	STORAGE
				SUSP	SUSPENDED
CFLG	COUNTER FLASHING	NO	NUMBER		
CHNLS	CHANNELS	NOM	NOMINAL	T	TREAD
℄	CENTER LINE			T&B	TOP AND BOTTOM
COL	COLUMN	OC	ON CENTER	T&G	TONGUE AND GROOVE
CRS	COURSES	OF/CI	OWNER FURNISHED/CONTR.	TOC	TOP OF CURB, TOP OF CONC.
CSB	CONCRETE SPLASH BLOCK	INSTALLED		TOW	TOP OF WALL
		OF/OI	OWNER FURNISHED/OWNER		
DBL	DOUBLE	INSTALLED		UC	UTILITY CURB
DO	REPEAT			UNO	UNLESS NOTED OTHERWISE
DWG	DRAWING	OTS	OPEN TO STRUCTURE		
				VENT	VENTILATOR
EF	EXHAUST FAN	PARG	PARGING		
EJF	EXPANSION JOINT FILLER	PL	PLATE	W/	WITH
ELEC	ELECTRICAL	PNL	PANEL	W/O	WITHOUT
ELEV	ELEVATION	PROT	PROTECTION	WA	WALL ANCHOR
ENCL	ENCLOSURE	PRV	POWER ROOF VENTILATOR	WD	WOOD
EXP	EXPOSED OR EXPANSION	PT	PAINT	WDW	WINDOW
		PV	PLUMBING VENT	WP	WATERPROOFING OR WALKPAD
FIN	FINISH	PVC	POLYVINYL CHLORIDE	WS	WEATHER STRIP
FO	FINISH OPINING			WWF	WELDED WIRE FABRIC
FR	FRAME	R	RISER	WWM	WELDED WIRE MESH
		RA	ROOF ANCHOR		
GND	GROUND	R&R	REMOVE AND REPLACE		
GYP	GYPSUM	RCJ	REINFORCED CONTROL JOINT		
		RCMU	REINFORCED CONC. MASONRY JT.		
H	HIGH	REBAR	REINFORCING BAR		
HDW	HARDWARE	REF	ROOF EXHAUST FAN		
HR	HOUR	REJ	ROOF EXPANSION JOINT		
		REQ'D	REQUIRED		
INT	INTERIOR	RH	ROOF HATCH		

SHEET INDEX



I hereby certify that the portion of this technical submission described below was prepared by me or under my supervisor and responsible charge. I am a duly registered Architect under the laws of the State of Iowa.

Signature 05761

Edward L. Matt Reg. No.

Pages or Sheets covered in part or whole by this seal:
A0.0, A0.1, A1.0, A1.1 & A2.0

Date Issued: APRIL 16, 2025

939 OFFICE PARK RD., #101
WEST DES MOINES, IA 50265
TEL: 515-440-1681
FAX: 515-440-1687
GENESIS ARCHITECTURAL DESIGN

DOC FDCF WAREHOUSE LOADING DOCK RAMP REPAIRS
FT. DODGE CORRECTIONAL FACILITY
1550 L STREET
FT. DODGE, IA 50501

COVER

DAS NO. 9438.00

PROJECT NO. 2412

ISSUE DATE 04-16-2025

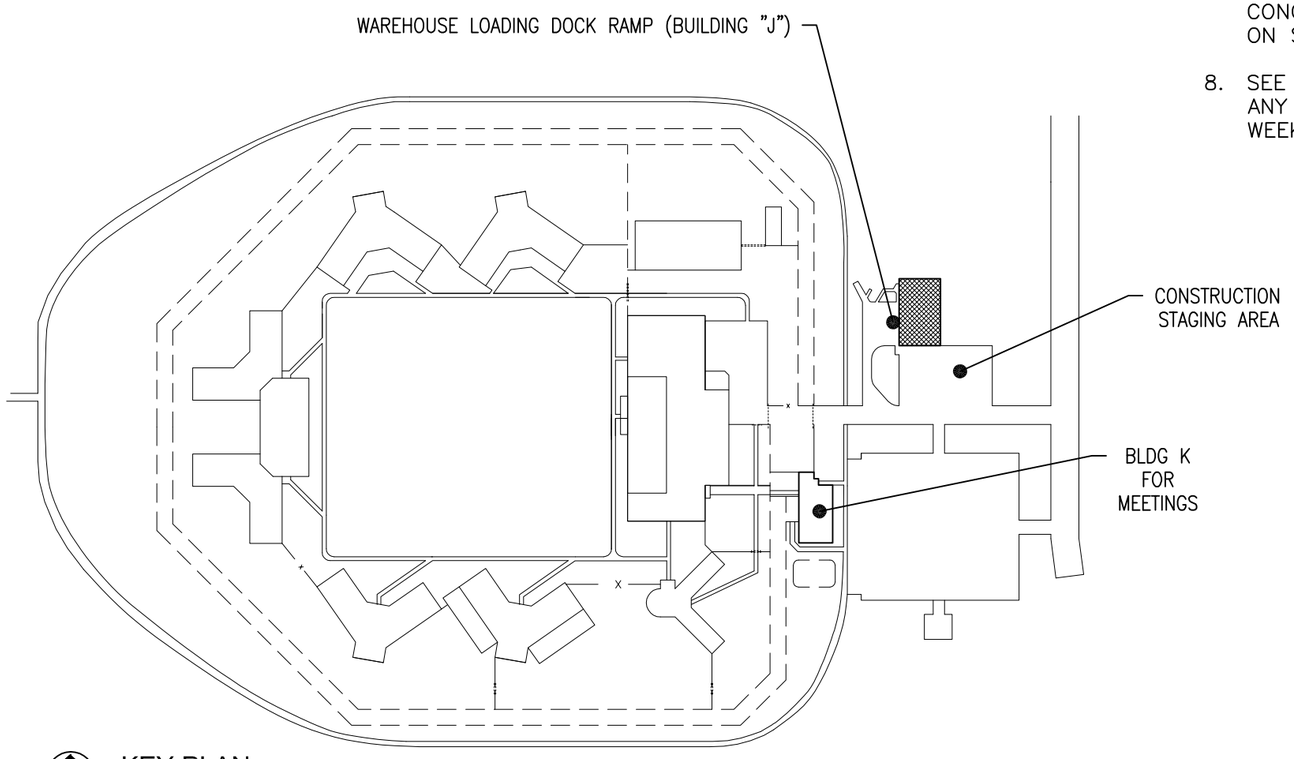
SHEET NUMBER A0.0

PROJECT AT: FT. DODGE CORRECTIONAL FACILITY
1550 L STREET, FT. DODGE, IA 50501

NORTH

LOCATION

SCALE: NOT TO SCALE



NORTH

KEY PLAN

SCALE: NOT TO SCALE

STAGING & SECURITY NOTES:

1. ALL CONTRACTOR'S PERSONNEL ARE TO HAVE BACKGROUND CHECKS PREAPPROVED BEFORE BEING ALLOWED ON SITE FOR WORK.
2. CONTRACTOR'S PERSONNEL ARE TO FOLLOW ALL RULES FOR CONSTRUCTION WORKERS & ATTEND CONTRACTOR'S PREA ORIENTATION. SEE SPECIFICATION FOR REQUIREMENTS.
3. PROVIDE TEMPORARY CONSTRUCTION BARRIER AROUND WORK AREA.
4. CONTRACTOR TO COORDINATE PROPOSED DAILY WORK SCHEDULE WITH FDCF STAFF AND CONSTRUCTION MANAGER. IDENTIFY THE SCOPE FOR EACH DAY'S WORK AND REQUIRED MATERIALS.
5. ALL WORK AREAS ARE TO BE THOROUGHLY CLEANED UP AT THE END OF EACH DAY.
6. SEE SPECIFICATION FOR DAILY TOOL INVENTORY REQUIREMENTS. ALL CONSTRUCTION EQUIPMENT MUST BE REMOVED TO THE DESIGNATED STAGING AREA IN THE PARKING LOT.
7. CONTRACTOR IS RESPONSIBLE TO HAUL AWAY CONCRETE & DEMO EXCAVATION. DO NOT STOCK PILE ON SITE.
8. SEE SPECIFICATION FOR WORK HOURS. COORDINATE ANY PROPOSED EXTENDED WORK HOURS INCLUDING WEEKENDS.

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FT. DODGE CORRECTIONAL FACILITY
1550 L STREET
FT. DODGE, IA 50501

LOCATION, SECURITY & STAGING MAP

DAS NO. 9438.00

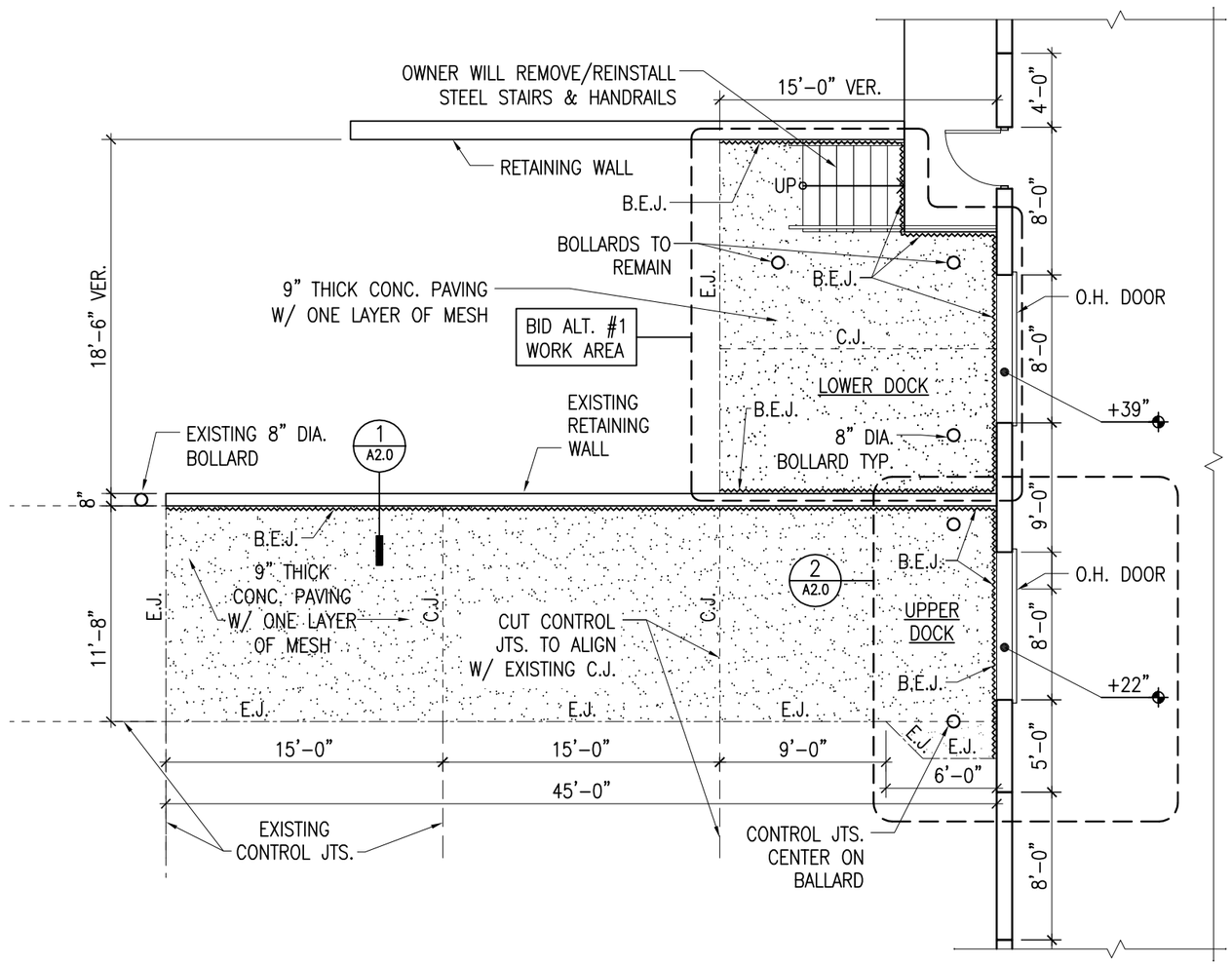
PROJECT NO. 2412

ISSUE DATE 04-16-2025

SHEET NUMBER A0.1

EXCAVATION AND BACKFILL NOTES:

- PUMP OUT AND REMOVE ANY ACCUMULATED WATER IN EXCAVATION AREA.
- SUBGRADE MOISTURE LEVELS SHOULD BE REDUCED TO WORKABLE LEVELS TO ACHIEVE PROPER COMPACTION.
- COVER AND PROTECT EXCAVATED WORK AREA DURING CONSTRUCTION TO PREVENT WATER FROM ENTERING, ACCUMULATING, OR PONDING.
- MECHANICALLY COMPACT ALL FILL IN 4" LIFTS WITH JUMPING JACK RAM.
- ALL GRANULAR FILL LIFTS, BOTH STRUCTURAL AND SUB–BASE, SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY.



NORTH

PARTIAL PLAN AT WORK AREA

SCALE 1/8" = 1'–0"

1 A1.0

GENERAL NOTES:

A. ALL WORK IS TO CONSTRUCTED IN COMPLIANCE WITH STATE BUILDING CODES. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH INDUSTRY STANDARD PRACTICES.

B. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS, QUANTITIES AND ELEVATIONS. CONTACT ARCHITECT WITH ANY DISCREPANCIES FOUND.

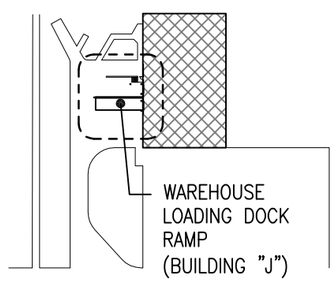
C. CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS. REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING WITH WORK.

D. NOTE DRAWING SCALES FOR EACH PLAN AND SHEET. PLANS AND DETAILS VARY IN SCALE.

E. PROVIDE TEMPORARY FENCE BARRIER AROUND EXTERIOR WORK AREA.

CONCRETE NOTES:

1. SEE CORE SAMPLE REPORT FOR EXISTING CONCRETE AND SUB GRADE INFO..
2. DEMO EXISTING EXTERIOR SLAB AND EXCAVATE TO ALONG RETAINING WALL TO DEPTH INDICATED.
3. OVEREXCAVATE ALL SLAB AREAS AS NEEDED TO PROVIDE 6 INCHES OF GRAVEL SUB–BASE AND COMPACT.
4. REINFORCE CONCRETE SLAB ON GRADE WITH ONE LAYER 6 X 6X 2.9 – 2.9 WELDED WIRE MESH. SUPPORT MESH TO CENTER IN POURED SLAB. PROVIDE MIN. 3 INCHES COVER OVER ALL REINFORCING IN SLAB.
5. E. J. – PROVIDE 3/8" EXPANSION JOINTS AT SLAB EDGES INDICATED. PROVIDE ASPHALTIC FIBER FILLER STRIPS WITH POURABLE SEALANT IN ALL EXPANSION JOINTS.
6. C.J. – PROVIDE 9 INCH THICK CONCRETE SLABS FOR ALL EXTERIOR CONCRETE. CUT CONTROL JOINTS 2 1/4 INCHES DEEP.
7. B.E.J. – BUILDING EXPANSION JOINTS. SEE DETAIL 2/A2.0 FOR PRE–COMPRESSED ELASTOMERIC JOINTS.
8. COMPACT STRUCTURAL AND GRAVEL SUB BASE FILL IN 4 INCH LIFTS.
9. CONCRETE DESIGN STRENGTH IS TO BE 5,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED.
10. PROTECT AND CURE CONCRETE IN ACCORDANCE WITH ACI STANDARDS. PROVIDE HOT OR COLD WEATHER PROTECTION MEASURES AS NEEDED.
11. PROVIDE WATER REPELLANT AND CHLORIDE SALT GUARD ON SLAB ON GRADE CONCRETE.
12. COORDINATE WITH OWNER AND CONSTRUCTION MANAGER FOR COMPACTION AND CONCRETE TESTING.



NORTH

KEY PLAN

SCALE: NOT TO SCALE

939 OFFICE PARK RD., #101
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FT. DODGE CORRECTIONAL FACILITY
1550 L STREET
FT. DODGE, IA 50501

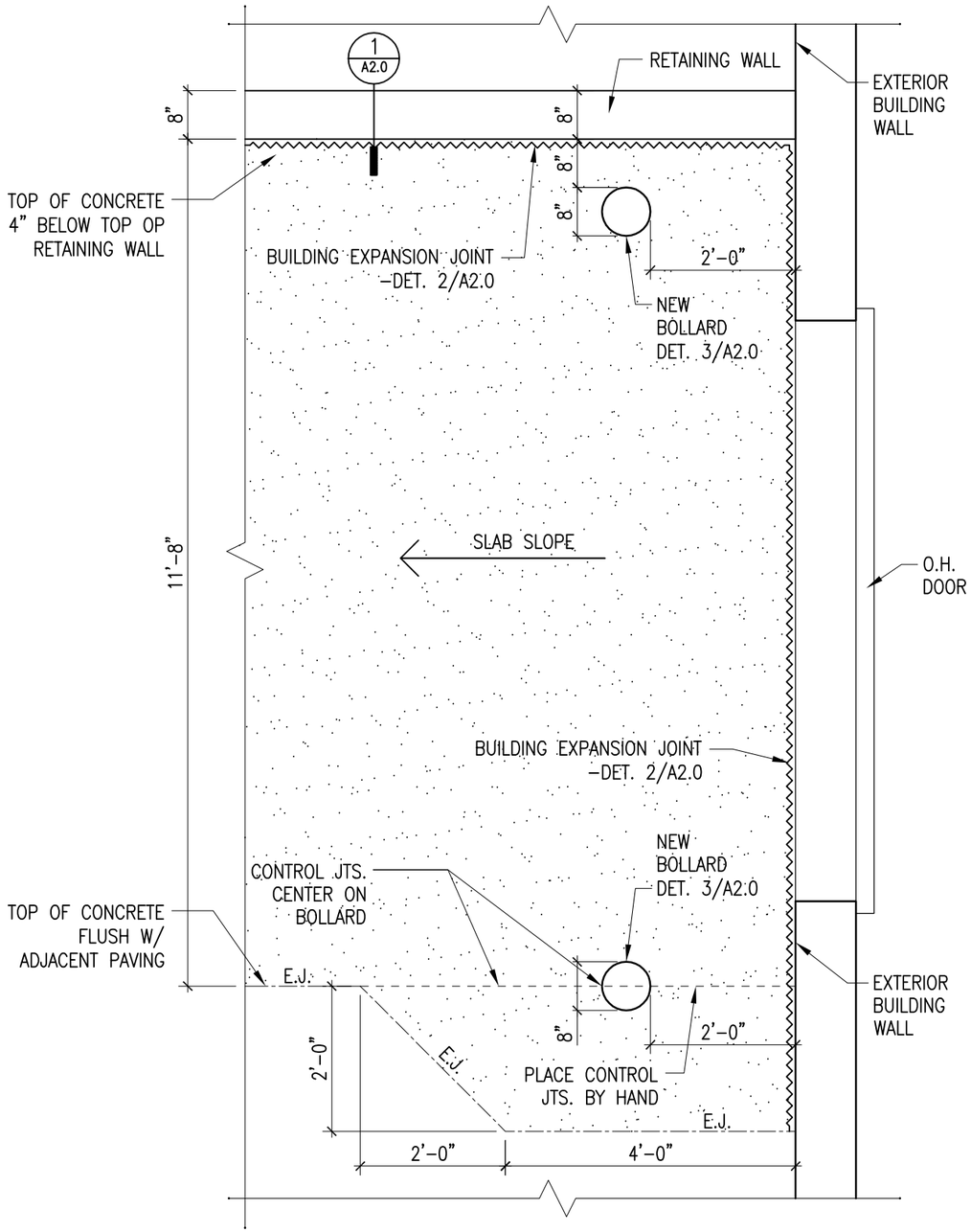
PARTIAL PLAN

DAS NO. 9438.00

PROJECT NO. 2412

ISSUE DATE 04-16-2025

SHEET NUMBER A1.0



ENLARGED PLAN

SCALE 1/2" = 1'–0"

1 / A1.1

GENERAL NOTES:

A. ALL WORK IS TO CONSTRUCTED IN COMPLIANCE WITH STATE BUILDING CODES. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH INDUSTRY STANDARD PRACTICES.

B. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS, QUANTITIES AND ELEVATIONS. CONTACT ARCHITECT WITH ANY DISCREPANCIES FOUND.

C. CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS. REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING WITH WORK.

D. NOTE DRAWING SCALES FOR EACH PLAN AND SHEET. PLANS AND DETAILS VARY IN SCALE.

E. PROVIDE TEMPORARY FENCE BARRIER AROUND EXTERIOR WORK AREA.

CONCRETE NOTES:

1. SEE CORE SAMPLE REPORT FOR EXISTING CONCRETE AND SUB GRADE INFO..
2. DEMO EXISTING EXTERIOR SLAB AND EXCAVATE TO ALONG RETAINING WALL TO DEPTH INDICATED.
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DOC FDCF WAREHOUSE LOADING DOCK RAMP REPAIRS
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1550 L STREET
FT. DODGE, IA 50501

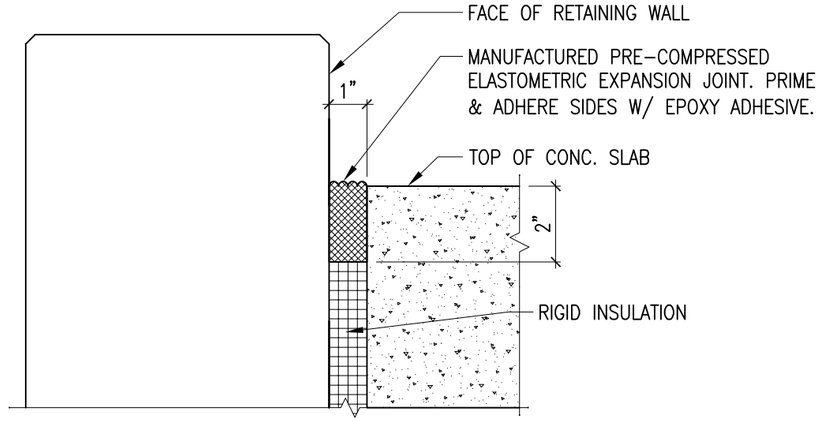
ENLARGED PLAN

DAS NO. 9438.00

PROJECT NO. 2412

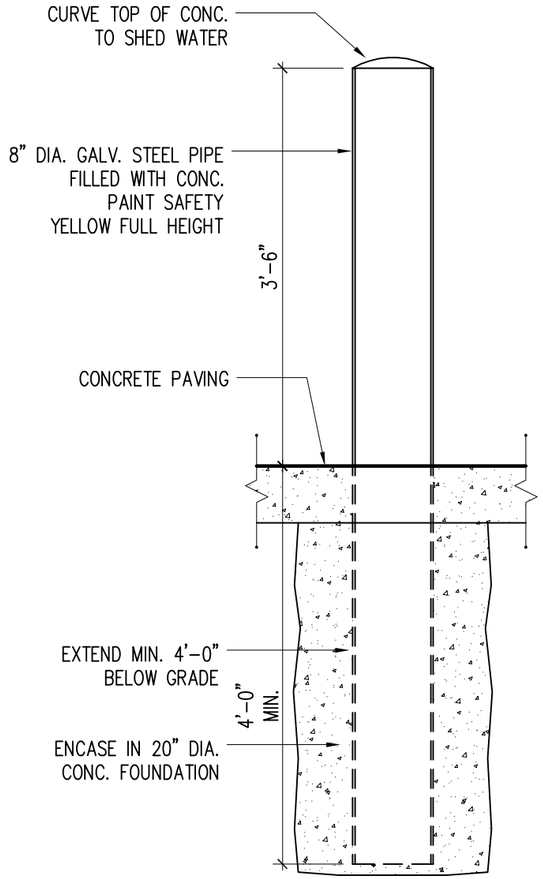
ISSUE DATE 04-16-2025

SHEET NUMBER A1.1



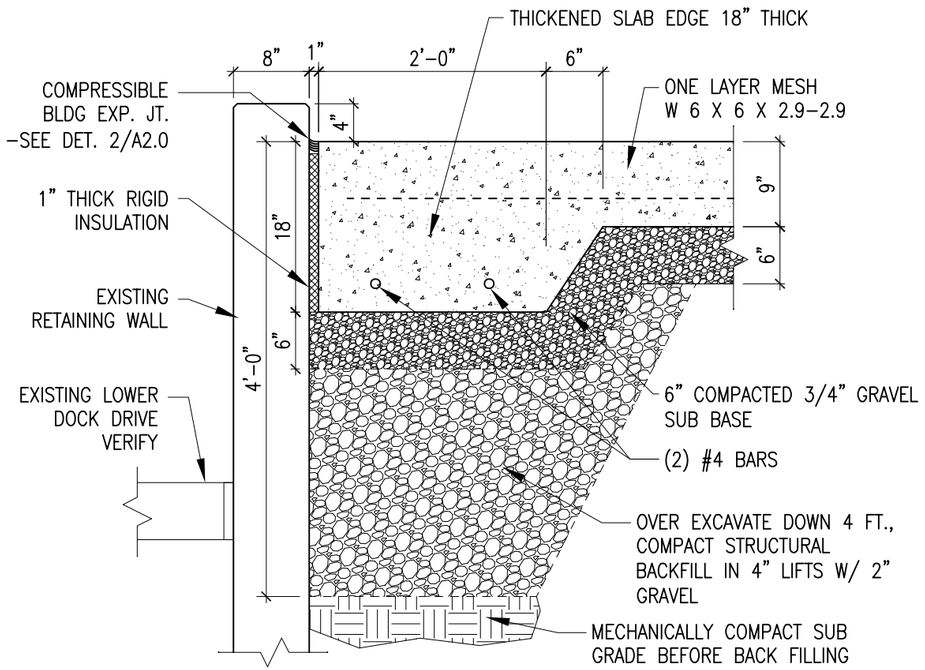
BUILDING EXPANSION JOINT — 2 / A2.0

SCALE 3" = 1'-0"



BOLLARD DETAIL — 3 / A2.0

SCALE 3/4" = 1'-0"



SECTION DETAIL — 1 / A2.0

SCALE 3/4" = 1'-0"

939 OFFICE PARK RD., #101
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FT. DODGE CORRECTIONAL FACILITY
1550 L STREET
FT. DODGE, IA 50501

DETAILS

DAS NO. 9438.00

PROJECT NO. 2412

ISSUE DATE 04-16-2025

SHEET NUMBER A2.0

Exhibit C Facility Work Requirements

DOC FDCF Warehouse Loading Dock Ramp Repairs
Fort Dodge Correctional Facility
Request for Quote RFQ 943800-01

Due Monday August 18th, 2025, at 2:00PM (CT)

WORK HOUR RESTRICTIONS

1. Allowable work hours are from 7:00 AM to 5:00 PM, Monday through Friday unless arrangements are made in advance.

CONTRACTOR USE OF SITE AND PREMISES

1. Construction Operations: Limited to the exterior of the Warehouse Building.
2. Provide access to and from site as required by law and Owner:
    a. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
    b. Do not obstruct roadways, sidewalks, or other public ways without permission of Owner and permit if required.
3. Facility will be occupied at all times during duration of work. Contractor personnel shall conduct themselves in an agreeable manner at all times. Failure to do so may result in removal from the work site.
4. The contractor shall identify their work zones with a barrier such as caution tape to help delineate the construction areas from public areas.
5. If a crane, lift or other equipment is necessary inside the Facility to perform the work, the mobilization must be coordinated and approved by FDCF Staff and the Construction Manager.
6. Any equipment used inside the perimeter fence must be sized to fit through the sally-port without need to modify the sally-port.

OWNER OCCUPANCY

1. Owner intends to occupy the Project throughout construction.
2. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
3. Schedule the Work to accommodate Owner occupancy.

RULES FOR CONSTRUCTION WORKERS

1. The staff of the State of Iowa has a responsibility to protect the public by providing a secure environment. All work site rules must always be followed.
2. All construction workers must have a background check completed prior to entering the campus to perform work. There is no cost to the Contractor for them.
3. All State properties are tobacco free. No smoking will be permitted or tolerated on campus unless in designated areas.
4. Contractors are permitted access only to the work site and no other areas of the Fort Dodge Correctional Facility.
5. No drugs, alcohol, or firearms are allowed on the work site.
6. Do not leave money, drugs, alcohol, or firearms in your personal vehicle.
7. Company and personal vehicles are to be parked and locked in designated or authorized area of the work.

8. Maintain control of all tools, supplies, and debris always. All tools must always be accounted for and secured at the end of each shift.
9. All vehicles must be locked when unoccupied and the windows left open no more than 1-inch.
10. Do not give anything to residents or take anything from residents; if they offer, inform your supervisor.
11. Ladders and scaffolding must be taken down when not in use and at the end of each shift.
12. Fuel cans are always to be secured.
13. During an emergency, follow the instructions of the security staff.
14. A correctional facility is a somewhat unstable environment and poses certain potential hazards to individuals living, working and visiting within its confines. As a result, compliance with facility policies and procedures, as well as the directives of facility staff is essential. Individuals working inside the facility agree to follow all known policies and procedures, agree to follow the directives of facility staff, and acknowledge responsibility to seek assistance of facility staff if questions or questionable circumstances arise. Individuals working inside the facility also must follow these guidelines:
    a. Workers must be suitably attired. They will be properly attired as would be expected in a public meeting place. Workers will wear shoes and will not wear miniskirts, shorts, muscle shirts, see-through clothing, halter-tops or clothing made of lycra or spandex material. Split skirts of appropriate length are allowed. Blue chambray shirts are not allowed to be worn with blue jeans. No clothing shall be worn with obscene or lewd slogans, pictures, or words, and similar apparel. All female workers are required to wear a bra and underwear.

    b. Workers will be required to clear a metal detector scan or other scanning device prior to admittance. Any person who is unable to clear the metal detector scan may be pat searched. All other items such as coats shall be searched electronically and may be manually searched as well. Entrance may be denied if the worker is not willing to submit to a search.

    c. Workers will be required to bring a list of tools they will be taking inside the facility. These tools will be inventoried going into the facility and again when the worker is leaving the facility. All tools will be accounted for throughout the day.

    d. For security and safety purposes workers must be escorted by a staff member.

    e. Cell phones, weapons, and cameras/camcorders are not allowed inside the facility. The foreman will be allowed to have one cell phone.

    f. Wallets, purses, and billfolds are not allowed inside the facility.

    g. Tobacco products are not allowed inside the facility.

    h. All unauthorized items shall be locked in vehicles or secured in the lockers provided in the “K” Reception area.

Exhibit D Sample Certification of Insurance

DOC FDCF Warehouse Loading Dock Ramp Repairs
Fort Dodge Correctional Facility
Request for Quote RFQ 943800-01

Due Monday August 18th, 2025, at 2:00PM (CT)

SAMPLE

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): xx/xx/xxxx

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Agent's Information
Agent's Name Agent's Address	PHONE (A/C, No, Ext): / FAX (A/C, No):
	E-MAIL ADDRESS:
	INSURER(S) AFFORDING COVERAGE / NAIC #
	INSURER A : Company A(AM Best Rated A/VI or Better) — Admitted
INSURED	INSURER B : — Carriers
Trade Contractor's Name Trade Contractor's Mailing Address	INSURER C :
	INSURER D :
	INSURER E :
	INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS Minimum	
* A	COMMERCIAL GENERAL LIABILITY CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [ ] LOC OTHER:	X	X	#TBD- CGL	3/1/17	3/1/18	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ $ $1,000,000 $2,000,000 $1,000,000 $
B	AUTOMOBILE LIABILITY [X] ANY AUTO ALL OWNED AUTOS HIRED AUTOS SCHEDULED AUTOS NON-OWNED AUTOS	X	X	#TBD-AL	3/1/17	3/1/18	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $ $
C	UMBRELLA LIAB [X] OCCUR EXCESS LIAB [ ] CLAIMS-MADE DED RETENTION $	X	X	#TBD-UMB	3/1/17	3/1/18	EACH OCCURRENCE AGGREGATE	$ 2,000,000 $ $
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N [ ] If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	X	#TBD-WC	3/1/17	3/1/18	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $500,000 $500,000 $500,000
* E	Owners Contrators Protective Liability			#TBD-OCP	3/1/17	3/1/18	*Limits equal to CGL (or) as required by owner (Note- Would be either CGL or OCP, not both)	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Additional Insured on a Primary & Non-Contributory basis (CGL;AL;UMB/Excess) in favor of : (Owner) Iowa Department of Administrative Services (DAS), Officers, Directors, Members, Consultants, Agents, and Employees.

Waiver of Subrogation (CGL;AL;WC/EL;UMB/Excess) in favor of: (Owner) Iowa Department of Administrative Services (DAS), Officers, Directors, Members, Consultants, Agents, and Employees.

Project XXXX.XX (Number varies by project)

CERTIFICATE HOLDER	CANCELLATION
Iowa Department of Administrative Services (DAS) 109 SE 13th Street Des Moines, IA 50319	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Signature

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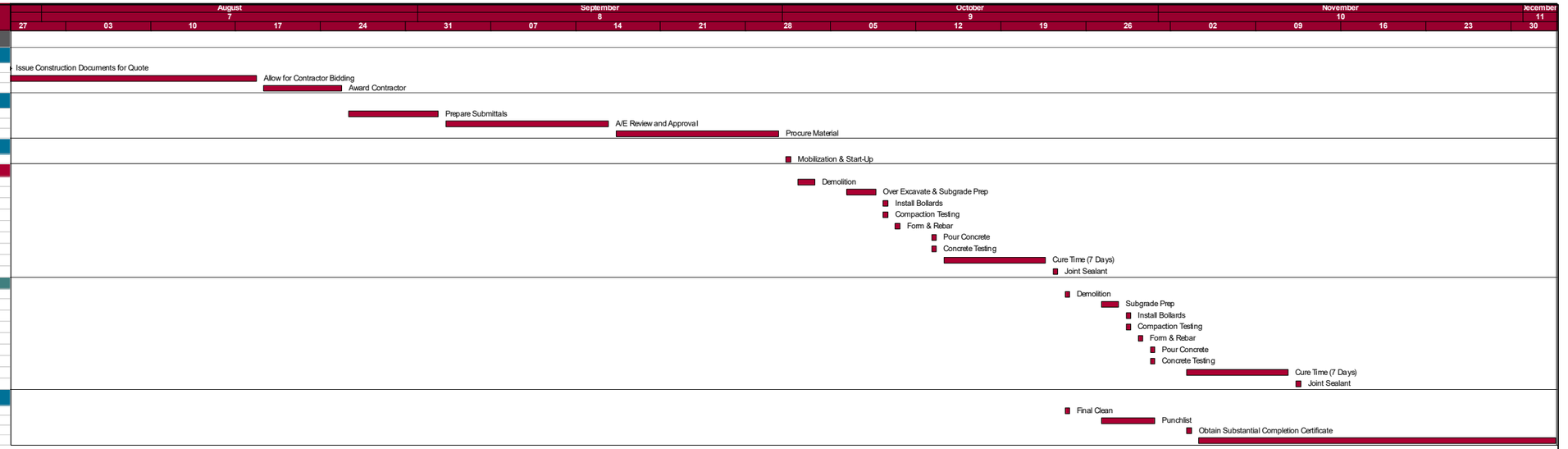
Exhibit E Proposed Schedule

DOC FDCF Warehouse Loading Dock Ramp Repairs
Fort Dodge Correctional Facility
Request for Quote RFQ 943800-01

Due Monday August 18th, 2025, at 2:00PM (CT)

Activity ID	Activity Name	Original Duration	Start	Finish
State of Iowa - FDCF Warehouse Loading Dock Ram		89	29-Jul-25	03-Dec-25
Preconstruction		20	29-Jul-25	25-Aug-25
1110	Issue Construction Documents for Quote	0	29-Jul-25*	
1120	Allow for Contractor Bidding	15	29-Jul-25*	18-Aug-25
1130	Award Contractor	5	19-Aug-25	25-Aug-25
Procurement		25	26-Aug-25	30-Sep-25
1140	Prepare Submittals	5	26-Aug-25	02-Sep-25
1150	A/E Review and Approval	10	03-Sep-25	16-Sep-25
1160	Procure Material	10	17-Sep-25	30-Sep-25
Construction		31	01-Oct-25	12-Nov-25
1170	Mobilization & Start-Up	1	01-Oct-25	01-Oct-25
Loading Dock South		30	02-Oct-25	12-Nov-25
A1020	Demolition	2	02-Oct-25	03-Oct-25
A1030	Over Excavate & Subgrade Prep	3	06-Oct-25	08-Oct-25
A1060	Install Bollards	1	09-Oct-25	09-Oct-25
A1090	Compaction Testing	1	09-Oct-25	09-Oct-25
A1040	Form & Rebar	1	10-Oct-25	10-Oct-25
A1050	Pour Concrete	1	13-Oct-25	13-Oct-25
A1100	Concrete Testing	1	13-Oct-25	13-Oct-25
A1070	Cure Time (7 Days)	7	14-Oct-25	22-Oct-25
A1080	Joint Sealant	1	23-Oct-25	23-Oct-25
Bid Alternate #01 Lower North Loading Dock		14	24-Oct-25	12-Nov-25
A1200	Demolition	1	24-Oct-25	24-Oct-25
A1210	Subgrade Prep	2	27-Oct-25	28-Oct-25
A1220	Install Bollards	1	29-Oct-25	29-Oct-25
A1230	Compaction Testing	1	29-Oct-25	29-Oct-25
A1240	Form & Rebar	1	30-Oct-25	30-Oct-25
A1250	Pour Concrete	1	31-Oct-25	31-Oct-25
A1260	Concrete Testing	1	31-Oct-25	31-Oct-25
A1270	Cure Time (7 Days)	7	03-Nov-25	11-Nov-25
A1280	Joint Sealant	1	12-Nov-25	12-Nov-25
Closeout		27	24-Oct-25	03-Dec-25
1290	Final Clean	1	24-Oct-25	24-Oct-25
1300	Punchlist	5	27-Oct-25	31-Oct-25
1310	Obtain Substantial Completion Certificate	1	03-Nov-25	03-Nov-25
1320	Final Completion & Closeout	20	04-Nov-25	03-Dec-25



Remaining Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone

FDCF Warehouse Loading Dock Ramp Repairs - Bid Schedule

Schedule - 07/22/25

McGOUGH

Exhibit F Hazardous Material Survey

DOC FDCF Warehouse Loading Dock Ramp Repairs
Fort Dodge Correctional Facility
Request for Quote RFQ 943800-01

Due Monday August 18th, 2025, at 2:00PM (CT)

L I M I T E D H A Z A R D O U S B U I L D I N G M A T E R I A L S S U R V E Y

PREPARED FOR:

Iowa Department of Administrative Services
109 SE 13th Street
Des Moines, Iowa 50319

PROJECT LOCATION:

Department of Corrections – Fort Dodge Correctional Facility
Warehouse Loading Dock Ramp Repair Project#9438
1550 L Street
Fort Dodge, Iowa

Project Date: December 19, 2024

Report Date: January 16, 2025

Atlas Project ID: 204BS08099

PREPARED BY:

Atlas Technical Consultants LLC
4503 East 50th Street, Suite 800
Des Moines, IA 50317

January 16, 2025

Ms. Jennifer Kleene
Iowa Department of Administrative Services
109 SE 13th Street
Des Moines, IA 50319

Re: Limited Hazardous Building Materials Survey Report
DOC FDCF Warehouse Loading Dock Ramp Repair Project #9438
1550 L Street
Fort Dodge, Iowa
Atlas Project Number: 204BS08099

Dear Ms. Kleene:

Atlas Technical Consultants LLC. (Atlas) is pleased to submit the attached Limited Hazardous Building Materials Survey Report for the above-referenced site. This report includes procedures, methodologies and analytical laboratory results.

Atlas appreciates the opportunity to perform these services for Iowa Department of Administrative Services (IDAS), and we look forward to working with you in the future. If you need any assistance with the implementation of the recommendations contained in this report, please feel free to give us a call at (515) 981-4528 and we will respond promptly to your needs.

Sincerely,

ATLAS TECHNICAL CONSULTANTS LLC

Eric Brown
Iowa Inspector
(515) 981-4528

Phillip Thomas, OHST, CHMM
Project Manager
(402) 697-9747

T A B L E O F C O N T E N T S

L I M I T E D H A Z A R D O U S B U I L D I N G M A T E R I A L S S U R V E Y

DOC FDCF Warehouse Loading Dock Ramp Repair Project #9438
1550 L Street
Fort Dodge, Iowa
Atlas Project Number: 204BS08099

1.0 SCOPE OF SERVICES

The purpose of this project was to perform a survey for hazardous building materials that may be impacted by planned exterior siding activities at the above-referenced property.

Atlas provided a representative hazardous materials survey in accordance with the referenced agreement and as outlined below:

1. Review any existing hazardous building material survey reports relating to the site, if available.
2. Identify suspect asbestos-containing materials (ACM), surface coatings potentially containing lead paint, and hazardous building materials of accessible equipment/areas as part of the DOC FDCF Warehouse Loading Dock Ramp Repair Project #9438.
3. Collect and analyze bulk samples of suspect asbestos containing materials and collect paint chip samples from representative surface coatings potentially containing lead-based or lead-containing paint.
4. Provide laboratory analysis of collected samples.
5. Provide a report of findings with copies and interpretation of analytical results and identifying the locations of asbestos-containing materials, lead paint, and hazardous building materials.

2.0 GENERAL SITE CONDITIONS

The survey was conducted at the Fort Dodge Correctional Facility – Warehouse Loading Dock ramp Repair Project #9438 located at 1550 L Street in Fort Dodge, Iowa. The survey area was limited to the loading dock building materials that will be disturbed as part of planned loading dock ramp repair activities.

3.0 ASBESTOS SURVEY

On December 19, 2024, the loading dock ramp, associated handrails, stairs, and bollard materials at the Warehouse Loading Dock Repair Project #9438 area were inspected for ACMs by inspector Eric Brown of Atlas. Mr. Brown has completed the requisite training for asbestos accreditation as an inspector at a state approved training provider under TSCA Title II. Mr. Brown's State of Iowa Inspector number is 24-11418.

The area(s) were visually inspected for the presence of suspect ACMs that may be impacted by Warehouse Loading Dock Ramp Repair Project #9438. Materials that were hidden, not accessible, or when sampled would damage the integrity of the structure, were not sampled as part of this survey. Materials visibly identified as non-asbestos (fibrous glass, foam rubber, wood, etc.) were not sampled. The asbestos survey consisted of three basic steps: **1)** a visual inspection of the proposed work areas; **2)** a determination of homogeneous areas with suspect surfacing, thermal system insulation, and miscellaneous materials; and **3)** sampling accessible, friable and non-friable, suspect materials.

3.1 Regulation Review

In Iowa, asbestos activities are regulated by the Iowa Department of Natural Resources (IDNR) and Iowa Workforce Development (IWD), Division of Labor. IDNR regulates asbestos fiber emissions under Iowa Administrative Code 567 Chapter 23 (IAC 567–23) and asbestos-containing waste disposal under IAC 567–109. IWD regulates occupational exposure to asbestos under IAC 875–10 and asbestos removal and encapsulation activities under IAC 875–155.

IAC 567–23.1(3) adopts the USEPA asbestos NESHAP (40 CFR Part 61, Subpart M) by reference. Subpart M regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as friable, Category I nonfriable, or Category II nonfriable ACM. Friable materials are those that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure. Category I nonfriable ACM includes packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than 1% asbestos. Category II nonfriable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Regulated ACM (RACM) must be removed before renovation or demolition activities that will disturb the materials. RACM includes:

- Friable ACM;
- Category I nonfriable ACM that has become friable or will be subjected to drilling, sanding, grinding, cutting, or abrading; and
- Category II nonfriable ACM that could be crumbled, pulverized, or reduced to powder during renovation or demolition activities.

The owner or operator must provide the IDNR and IWD with written notification of planned removal activities at least 10 working days prior to the commencement of asbestos abatement activities. Removal of RACM must be conducted by an Iowa-permitted asbestos abatement contractor.

IAC 875–155 Asbestos Removal and Encapsulation requires that any asbestos-related activity conducted in a public building be performed by personnel licensed or permitted by the IWD. Inspections for ACM must be conducted by IWD-licensed inspectors. Asbestos abatement must be performed by IWD-permitted asbestos abatement contractors. Management plans developed for the in-place management of asbestos-containing materials must be developed by an IWD-licensed management planner. When an abatement project design is prepared, it must be prepared by an IWD-licensed project designer.

IAC 875–10 adopts the Occupational Safety and Health Administration (OSHA) Asbestos standard for construction (29 CFR 1926.1101) by reference. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below the permissible exposure limits (PEL) of 0.1 asbestos fibers per cubic centimeter (0.1 f/cc) of air as an 8-hour time-weighted average and 1.0 f/cc as a 30-minute excursion. The OSHA standard classifies construction and maintenance activities that could disturb ACM and specifies work practices and precautions that employers must follow when engaging in each class of regulated work.

3.2 Homogeneous Areas

Prior to sampling, homogeneous areas were identified in order to facilitate a sampling strategy. A homogeneous sampling area can be described as one or more areas with suspect material similar in appearance and texture that have the same installation date and function. The actual number of samples collected from each homogeneous sampling area may vary, dependent upon material type and the professional judgment of the inspector.

3.3 Sampling Strategy

The sampling strategy incorporated Asbestos Hazard Emergency Response Act (AHERA) requirements, quantities of suspect material, and the inspector's judgment to aid in the identification of suspect asbestos-containing materials. If the analytical results indicated that all the samples collected per homogeneous area did not contain asbestos, then the homogeneous area (material) was considered non-asbestos-containing. However, if the analytical results of one or more of the samples collected per homogeneous area indicated that asbestos was present in quantities greater than one percent asbestos (as defined by USEPA), all of the homogeneous area (material) was treated as an asbestos-containing material regardless of any other analytical results. Materials which were visually determined to be non-asbestos (i.e. fibrous glass, foam rubber, etc.) by the accredited inspector were not required to be sampled. Actual collection of a bulk asbestos sample involves physically removing approximately one square inch (1 in^2) of material and placing it in an airtight sample container. Sample containers were marked with a unique identification number, which was documented in the field notes.

3.4 Laboratory Analytical Results

A total of **three** samples were collected from building materials suspected of containing asbestos. The samples were submitted under chain of custody to EMSL Analytical, Inc. (EMSL) located at 200 Route 130 North in Cinnaminson, New Jersey, for analysis by polarized light microscopy (PLM) with dispersion staining techniques per the *USEPA Method for the Determination of Asbestos in Bulk Building Materials (600/R-93-116)*. The percentage of asbestos, if applicable, was established by microscopic visual estimation. EMSL is an accredited laboratory by the National Voluntary Laboratory Accreditation Plan (NVLAP) No. 101048-0. Any material that contains greater than one percent (>1%) asbestos is considered an ACM and must be handled according to Occupational Safety and Health Administration (OSHA), USEPA, and all applicable state and local regulations.

Laboratory test results are provided in Appendix A.

3.5 Suspect Asbestos-Containing Materials

The following table contains a list of suspect asbestos containing materials sampled:

TABLE 1: SUSPECT BUILDING MATERIALS		
Material	**Location**	**Sample Number**
Concrete	Lower Dock, N Wall Stair landing	LD-1
Concrete	Center Wall E Side	LD-2
Concrete	Upper Dock, 6' from door	LD-3

Table 2 below identifies the materials that have been determined, through laboratory analysis, to contain asbestos:

TABLE 2: ASBESTOS-CONTAINING MATERIALS				
Sample Number	**Material**	**Location**	**Approx. Quantity**	**Asbestos Content**
Asbestos was not identified in any of the bulk samples collected.				
SF = Square Feet, LF = Linear Feet				

4.0 LEAD PAINT CHIP TESTING

Atlas collected paint chip samples from representative surface coatings that may be impacted by renovation/demolition activities.

Surface coatings that were collected were considered to be representative of materials in a homogeneous area if:

1. They exhibited similar physical characteristics (suspect materials alike in appearance, substrate, color, and time of application were tested as homogenous areas)
2. The application of the tested surface could be associated to an application of an unsampled surface.

Atlas collected and submitted a total of **two** paint chip samples from surface coatings. The samples were submitted to EMSL of Cinnaminson, New Jersey, under proper chain of custody for analysis by Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B). EMSL is accredited under the American Industrial Hygiene Association-Laboratory Accreditation Program (AIHA-LAP, LLC) (AIHA-LAP; lab code 100194). A copy of the analytical results and chain of custody can be found in Appendix B.

The USEPA has defined LBP as *"paint or other surface coatings that contain lead in excess of 0.5 percent by weight (>0.5%)".* Results less than 0.5% by weight indicate that lead is not present at or above the USEPA regulatory level; however, lead was present in lower concentrations above

the laboratory detection limit in other surfaces tested and these are classified as lead-containing paint (LCP). Negative results do not mean that lead is not present.

4.1 Regulation Review

The disturbance and disposal of materials with surface coatings that contain lead paint are regulated by the USEPA, OSHA and the State of Iowa. The Resource Conservation and Recovery Act (RCRA) provides the USEPA with the authority to regulate the waste status of demolition or renovation debris, including lead-containing materials. Specific notification and testing requirements must be addressed prior to transporting, treating, storing, or disposing of hazardous wastes.

Construction work covered by 29 CFR 1926.62 includes any repair, renovation or other activities that disturb in-place, lead-containing materials, but does not include routine cleaning and repainting where there is insignificant damage, wear or corrosion of existing lead-containing coatings or substrates. Unless adequately protected, employee exposures to lead must not exceed airborne concentrations >50 micrograms per cubic meter ($\mu g/m^3$) averaged over an 8-hour period.

Occupational exposure to lead occurring in the course of construction work, including maintenance activities, painting, alteration and repairs is subject to the OSHA Lead standard (29 CFR 1926.62). The lead standard applies to any detectable concentration of lead in paint, as even small concentrations of lead can result in unacceptable employee exposures depending upon the method of removal and other workplace conditions.

The disposal of lead-based paint waste, as well as paint waste containing other heavy metals, is regulated by the USEPA and State of Iowa. Wastes generated by industrial businesses, commercial businesses, and government institutions are subject to regulation. Commercial business owners and removal contractors are required to determine if paint waste generated from nonresidential structures (such as public and commercial buildings, warehouses, bridges, water towers, and transmission towers) contains heavy metals that would cause the debris to be considered a hazardous waste. Disposal options and applicable management requirements for collected debris will be based upon whether the waste stream is considered a hazardous waste and the amount of debris generated. Removal contractors and building owners need to include these factors when preparing and responding to bid specifications. Specific notification and testing requirements must be addressed prior to transporting, treating, storing, or disposing of hazardous wastes. Lead-containing wastes are considered hazardous waste under RCRA if Toxicity Characteristic Leachate Procedure (TCLP) results exceed 5 milligrams per liter (mg/L). The USEPA has made exceptions for the handling and disposal of lead wastes generated from residential housing.

Specific notification and testing requirements must be addressed prior to transporting, treating, storing, or disposing of hazardous wastes. Lead-containing wastes are considered hazardous waste under RCRA if Toxicity Characteristic Leachate Procedure (TCLP) results exceed 5 milligrams per liter (mg/L). The USEPA has made exceptions for the handling and disposal of lead wastes generated from residential housing.

The above overview is not intended to be inclusive of all potentially pertinent regulatory information. The relevant USEPA, OSHA and State of Iowa regulations should be consulted prior

to undertaking activities involving the demolition, renovation or maintenance of surface coatings that contain lead.

4.2 Lead Paint Testing

The following surface coatings were collected as part of the lead paint testing:

TABLE 3: LEAD PAINT SUMMARY

Sample Number	Sample Location	Representative Material	Paint Color	Lead Concentration (% by weight)
PCLD-1	NW Bollard	Metal	Yellow	<0.008
PCLD-2	Hand Rails, Doors and Door Frames	Metal	Blue	<0.008

bolded = lead-based paint

This evaluation report can help the Owner develop a plan for renovating the building by having concentrations of lead in the paint identified. It is our understanding that the information in this report will be provided to the contractors so that appropriate precautions can be made to minimize worker exposure to lead. If surface coatings with lead containing paint are handled improperly, exposure could occur to workers and future occupants of the facility.

5.0 HAZARDOUS MATERIALS SURVEY

Atlas completed a visual inspection of areas throughout the intended work areas in an attempt to identify hazardous wastes or universal wastes that may be impacted by planned renovation activities. The survey included a visual inspection of: light fixtures and other equipment for the presence of Polychlorinated Biphenyls (PCBs); light bulbs, thermostats, switches, and other equipment for the presence of mercury; refrigerants, batteries, and devices with potential radioactive materials.

TABLE4: HAZARDOUS BUILDING MATERIALS

Category	Material	Estimated Quantity
Batteries	Lead Acid	NA
	Nickel Cadmium	NA
	Lithium-Ion	NA
Mercury	Thermostats	NA
	Fluorescent Light Tubes	NA
	High Intensity Discharge Bulbs	NA
	Strobes	NA

TABLE 4: HAZARDOUS BUILDING MATERIALS		
Category	**Material**	**Estimated Quantity**
RCRA Metals	LED Light Fixtures	NA
Poly-Chlorinated Biphenyl (PCBs)	Light Ballasts	NA
	Transformers	NA
Low Level Radioactive Sources (LLR)	Tritium Exit Signs	NA
	Smoke Detectors	NA
Chlorofluorocarbons (CFCs) or Hydro Chlorofluorocarbons (HCFCs)	Refrigerator/Cooler	NA
	Freezer	NA
	Water Fountain	NA

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Asbestos

The NESHAP and OSHA regulations govern the removal of ACM. Atlas recommends that a State of Iowa certified abatement contractor be retained to properly abate and dispose of ACM identified in Table 1 above and in accordance with local, state, and federal regulations.

The owner and/or operator are responsible for NESHAP regulatory compliance regarding the proper removal, handling, and disposal of ACM containing >1% asbestos prior to renovation or demolition. Also, per state regulations, please be aware that the owner and/or operator must submit a notification to the IDNR 10-buisness days prior to asbestos abatement at certain quantity thresholds and prior to renovation/demolition activities.

6.2 Lead

Lead was not identified above the laboratory detection limit in the two surface coatings tested.

Contractors should use caution during construction-related activities as concealed surface coatings containing lead-based paints that were not previously tested may be encountered. If materials not sampled during this investigation are later identified to contain regulated quantities of lead concentrations, then they should be removed, controlled and/or disposed in accordance with federal, state and local regulations, prior to disturbance. OSHA considers any detectable level of lead as LCP and disturbance of these surface coatings is subject to the training and work practices in OSHA 29 CFR 1926.62 “Lead in Construction”.

6.3 Hazardous Materials

Hazardous materials or universal wastes identified in Table 4 shall be removed as part of the renovation contractor’s scope of work and disposed of according to USEPA Toxic Substances

Control Act (TSCA) and the State of Iowa regulations.

7.0 LIMITATIONS

The results, findings, conclusions, and recommendations expressed in this report are based solely on conditions noted during the December 19, 2024, Atlas inspection of the Warehouse Loading Dock Ramp Project #9438 located at 1550 L Street in Fort Dodge, Iowa.

Atlas did not perform destructive sampling -- it was not within Atlas's scope of work to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface -- thus, any materials that could not be visually identified on the surface were not inspected and would not be noted in this report. Atlas's selection of sample locations and frequency of sampling was based on the inspector's assumption that like materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractor, and potential asbestos abatement contractor in locating ACM. Under no circumstances is the report to be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as an Asbestos Project Design document or an Abatement Work plan.

Our professional services have been performed, our findings obtained, and our conclusions and recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

This report is intended for the sole use of the IDAS. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

Atlas recommendations are based in part on federal, state, local regulations, and guidelines. Atlas does not undertake responsibility for reporting to any local, state, or federal public agencies of conditions at the site that may present a potential danger to public health or safety. Atlas recommends that the Client comply with regulations and response actions in accordance with federal, state, and local regulations.

APPENDIX A

Asbestos Analytical Report and Chain of Custody

EMSL ANALYTICAL, INC.

Attention: **Eric Brown**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Samples analyzed by: **EMSL Analytical, Inc.**
200 Route 130 North
Cinnaminson, NJ 08077
Tel (800) 220-3675

NVLAP Lab Code: 101048-0
AIHA-LAP, LLC-IHPAT Lab: 100194
NYS ELAP: 10872
NJ DEP: 3036
PA ID: 68-00367

Sample Date: 12/19/2024
Submitted Date: 12/20/2024
Analysis Date: 12/23/2024
Report Date: 12/27/2024

Client Project: **Warehouse Loading Dock / 204B508099**

EMSL ID: **04-270**

Summary Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Sub E App E supplemented with EPA 600/R-93/116

This is page one of the analytical report; data found on subsequent pages.

Samples in this report were submitted to EMSL Analytical Inc. for Asbestos Analysis of Bulk materials via EPA methods and may contain analytical results by PLM friable, PLM 400 Point count or gravimetric reduction of samples by PLM NOB, TEM NOB,PLM NOB 400 PTCT.

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This preliminary report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available upon request. NOB=Non-friable Organically Bound; N/A-Not Applicable; PTCT= Point Count

Laboratory Comments:

Samantha Rundstrom, Laboratory Manager
or other approved Signatory

Client Project: Warehouse Loading Dock / 204B508099 EMSL ID: 04-270

Summary Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Sub E App E supplemented with EPA 600/R-93/116

Sample	Description	Type of Analysis	Color/Fibrous/ Homogeneity	Non-Asbestos Fibers	%	% Non-Fibrous	Asbestos Type	Asbestos Percentage	Final Asbestos %	Comment
LD-1	Concrete	PLM Friable	Gray, Tan			100.0	**None Detected**			
			Non-Fibrous							
			Homogeneous							
			--	--	--		**Total Asbestos**	--	--	
LD-2	Concrete	PLM Friable	Gray, Tan			100.0	**None Detected**			
			Non-Fibrous							
			Homogeneous							
			--	--	--		**Total Asbestos**	--	--	
LD-3	Concrete	PLM Friable	Gray, Tan			100.0	**None Detected**			
			Non-Fibrous							
			Homogeneous							
			--	--	--		**Total Asbestos**	--	--	
			--	--	--		**Total Asbestos**	--		
			--	--	--		**Total Asbestos**	--		
			--	--	--		**Total Asbestos**	--		
			--	--	--		**Total Asbestos**	--		
			--	--	--		**Total Asbestos**	--		
			--	--	--		**Total Asbestos**	--		
			--	--	--		**Total Asbestos**	--		
			--	--	--		**Total Asbestos**	--		
			--	--	--		**Total Asbestos**	--		
			--	--	--		**Total Asbestos**	--		

ASBESTOS BULK SAMPLE FORM

ATLAS
11117 Mockingbird Drive
Omaha, NE 68137
Phone (402) 697-9747
Fax (402) 597-8532

Project Information

Client:	Project Description: WAREHOUSE LOADING DOCK	Project Manager: PT Inspector: EB
Date: 12/19/24	Site Location: FT. DODGE	ATLAS PROJECT NUMBER: 204B508099

Sample #	Material Description	Floor	Sample Location	Quantity
LD-1	CONCRETE		N. WALL STAIR LANDING	
LD-2	CONCRETE		CENTER WALL E. SIDE	
LD-3	CONCRETE		S. DRIVE 6' FROM DOOR	

Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Analytical, Inc.

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

EMSL Order Number / Lab Use Only

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information

Customer ID:	
Company Name:	Atlas Technical
Contact Name:	
Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 6813 Country: US
Phone:	402-697-9747
Email(s) for Report:	eric.l.brown@oneatlas.com

Billing Information

Billing ID:	
Company Name:	Atlas Technical
Billing Contact:	Steve Hudson
Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 68137 Country: US
Phone:	402-697-9747
Email(s) for Invoice:	

Project Information

Project Name/No:	WAREHOUSE LOADING DOCK 204B508099	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected: IA	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ERIC BROWN	Sampled By Signature: Eric Brown	No. of Samples in Shipment: 3

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☑ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☐ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
	See the other sheets		

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 12/19/2024 17:00	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-05 Asbestos R15 4/23/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

APPENDIX B

Lead Analytical Report and Chain of Custody

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012505701
LIMS Reference ID: AD05701
EMSL Customer ID: ATC55

Attention: Steve Hudson
Atlas Technical [ATC55]
11117 Mockingbird Drive
Omaha, NE 68137
(402) 697-9747
steve.hudson@oneatlas.com

Project Name: 20-00128 - Warehouse Loading Dock 204BS08099
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 12/19/2024 09:00
Reported: 01/10/2025 19:17

Analytical Results

Analyte	Results	RL	Weight(g)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: PCLD-1/NW Bollard Yellow									**Date Sampled: 12/19/24**
Matrix: Chips									**LIMS Reference ID: AD05701-01**
Lead	<0.008 % wt	0.008 % wt	0.2582	12/23/24 MM	SW-846 3050B	12/24/24 PMx	SW846-7000B		1
Sample Comments:									
Client Sample ID: PCLD-2/Top of Stairs Blue									**Date Sampled: 12/19/24**
Matrix: Chips									**LIMS Reference ID: AD05701-02**
Lead	<0.008 % wt	0.008 % wt	0.2682	12/23/24 MM	SW-846 3050B	12/24/24 PMx	SW846-7000B		1
Sample Comments:									

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012505701
LIMS Reference ID: AD05701
EMSL Customer ID: ATC55

Attention: Steve Hudson
Atlas Technical [ATC55]
11117 Mockingbird Drive
Omaha, NE 68137
(402) 697-9747
steve.hudson@oneatlas.com

Project Name: 20-00128 - Warehouse Loading Dock
204BS08099

Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 12/19/2024 09:00
Reported: 01/10/2025 19:17

Certified Analyses included in this Report

Analyte	Certifications
SW846-7000B in Chips	
Lead	AIHA LAP

List of Certifications

Code	Description	Number	Expires
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2025
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	01/01/2025
NYSDOH	New York State Department of Health	10872	04/01/2025
California ELAP	California Water Boards	1877	06/30/2025
A2LA	A2LA Environmental Certificate	2845.01	07/31/2026
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2025
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2025
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2026

Please see the specific Field of Testing (FOT) on www.emsl.com <http://www.emsl.com> for a complete listing of parameters for which EMSL is certified.

Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RL	Reporting Limit
	For paint chips, the RL is 0.008% by wt. (equiv. to 80 mg/kg, or ppm) based upon a minimum sample weight of 0.25 grams.
	For soils, the RL is 40 mg/kg (ppm) based upon a minimum sample weight of 0.5 grams.
	For dust wipes, the RL is 10 µg/wipe; reporting units of µg/sq. ft. are not validated by the lab based upon data provided by non-lab personnel.
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012505701
LIMS Reference ID: AD05701
EMSL Customer ID: ATC55

Attention: Steve Hudson
Atlas Technical [ATC55]
11117 Mockingbird Drive
Omaha, NE 68137
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Project Name: 20-00128 - Warehouse Loading Dock
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Owen McKenna Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. QC sample results are within quality control criteria and met method specifications unless otherwise noted. All results for soil samples are reported on a dry weight basis, unless otherwise noted.

Analysis following EMSL SOP for the Determination of Environmental Lead by FLAA. The laboratory has a reporting limit of 0.008% by wt., based upon a minimum sample weight of 0.25g submitted to the lab, and is not responsible for any result or reporting limit provided in mg/cm2 since it is dependent upon an area value provided by non-lab personnel. A "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty and definitions of modifications are available upon request. Results in this report are not blank corrected unless specified.

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

D00128

Customer Information

Customer ID:	
Company Name:	Atlas Technical [ATC55]
Contact Name:	Steve Hudson
Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha, NE, 68137
Country:	USA
Phone:	402-697-9747
Email(s) for Report:	steve.hudson@oneatlas.com

Billing Information

Billing ID:	
Company Name:	Atlas Technical
Billing Contact:	Steve Hudson
Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha, NE, 68137
Country:	USA
Phone:	402-697-9747
Email(s) for Invoice:	

Project Information

Project Name/No:	WAREHOUSE LOADING DOCK 204 BS08099
Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)	
US State where samples collected:	IA
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ERIC BROWN
Sampled By Signature:	Eric Brown
No. of Samples in Shipment	2

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☒ % by wt. ☐ ppm (mg/kg) ☐ mg/cm² *Reporting Limit based on a minimum 0.25g sample weight. **Not appropriate for Ceramic Tiles - XRF is recommended	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☒
	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7303M	ICP-OES	1.0µg/filter	☐
	NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM *If no box is checked, non-ASTM Wipe is assumed	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PCLD-1	NW BOLLARD YELLOW		12/19/24
PCLD-2	TOP OF STAIRS BLUE		12/19/24

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 12/19/2024 17:00	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-25 Lead R18 04/04/2024

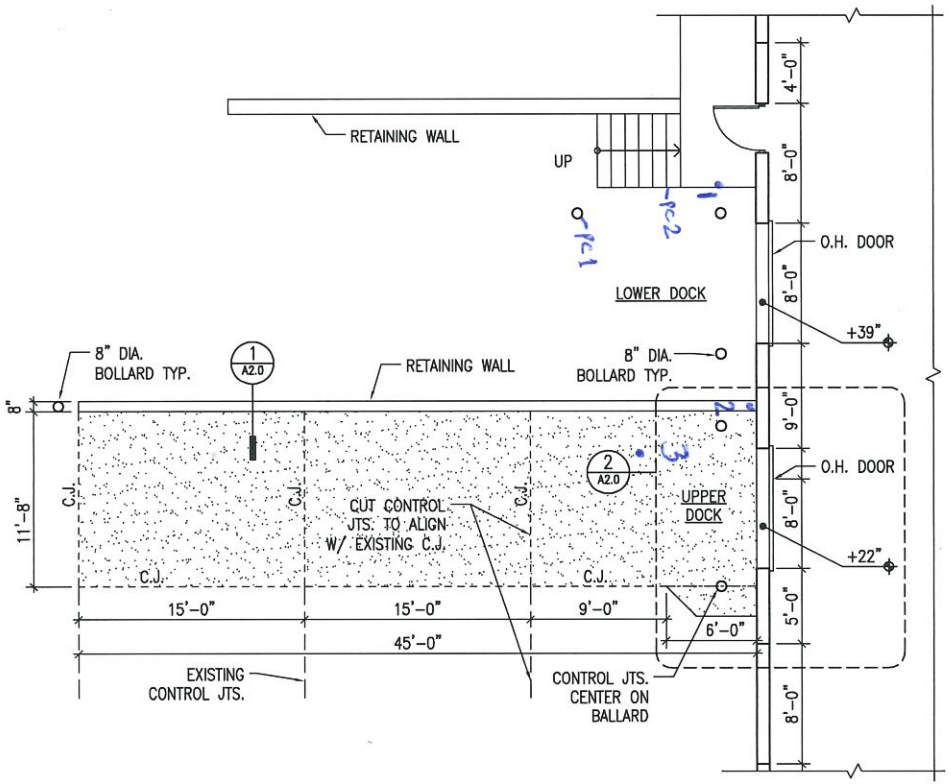
*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

APPENDIX C

Drawing(s) with Sample Locations



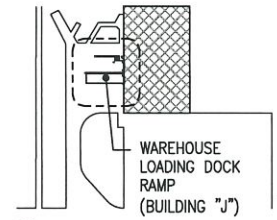
PC - PAINT CHIP SAMPLE

NORTH

PARTIAL PLAN AT WORK AREA

SCALE 1/8" = 1'-0"

1
A1.0



NORTH

KEY PLAN

SCALE: NOT TO SCALE

939 OFFICE PARK RD., #101
WEST DES MOINES, IA 50265
TEL: 515-440-1661
FAX: 515-440-1687
GENESIS ARCHITECTURAL DESIGN

DOC FDCF WAREHOUSE LOADING DOCK RAMP REPAIRS
FT. DODGE CORRECTIONAL FACILITY
1550 L STREET
FT. DODGE, IA 50501

PARTIAL PLAN
50% CD PROGRESS DRAWINGS
12-11-24

DAS NO. 9438.00

PROJECT NO. 2412

ISSUE DATE 12/11/2024

SHEET NUMBER A1.0

APPENDIX D

Photo Log

View of the Warehouse loading dock and ramp.

1

Paint chip sample collected from the NE bollard.

2

APPENDIX E

Staff Certification(s)

ERIC BROWN

DOB: 05-07-1970

Issued: 02-27-2024

This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	24-11418	02-09-2025

IOWA

Asbestos

Larry Johnson, Jr.
Labor Commissioner