

Contract Documents
for
***Old Town Water Tower
Rehabilitation***

Prepared for:

*City of Altoona
900 Venbury Drive
Altoona, IA, 50009*



Prepared by:



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Prepared for:

*City of Altoona
900 Venbury Drive
Altoona, IA, 50009*



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Sarah Fosbinder

10/09/2026

Sarah Fosbinder

Date

License Number 20655

My license renewal date is 12/31/2026

Pages or sheets covered by this seal:

ALL SHEETS

Prepared by:



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TABLE OF CONTENTS

BIDDING INFORMATION

NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING
INSTRUCTIONS TO BIDDERS
PROPOSAL
BID BOND
STATEMENT OF BIDDER'S QUALIFICATIONS FORM
CONTRACT
PERFORMANCE, PAYMENT, AND MAINTENANCE BOND
NPDES GENERAL PERMIT CONTRACTUAL REQUIREMENTS
NOTICE TO PROCEED

PAGES

NBH-1 to NBH-4
IB-1 to IB-4
PP-1 to PP-8
BB-1 to BB-2
SQ-1 to SQ-4
CT-1 to CT-6
PPM-1 to PPM-4
GP-1 to GP-2
NP-1 to NP-2

SPECIAL PROVISIONS

N/A

APPENDICES

2021 V&K WATER TOWER INSPECTION REPORT
EXISTING CONDITIONS PHOTO LOG (2026)

SUPPLEMENTAL SPECIFICATIONS

The most recent edition of the City of Altoona SUDAS Supplemental Specifications shall apply to all work performed on this project unless otherwise noted herein. **The Contractor is required to have a copy of the most recent edition of the Supplemental Specifications on the job site at all times.**

An electronic copy of the Supplemental Specifications is available at www.altoona-iowa.com under the "Departments" section by selecting "Engineering" then "Altoona Supplemental Specifications". The electronic copy can be printed free of charge.

The project Supplemental Specifications are included to supply additional requirements for the Water Tower Rehabilitation

33 16 19.01 ELEVATED WATER RESERVOIR REHABILITATION

CODE OF CONDUCT

CC-1 to CC-2

STANDARD SPECIFICATIONS

The most recent editions, as per the project letting date, of the Statewide Urban Design and Specifications (SUDAS) Standard Specifications, the Iowa Department of Transportation (Iowa DOT) Standard Specifications (where applicable), and the Iowa DOT Materials I.M.s (where applicable), shall apply to all work performed on this project unless otherwise noted herein, or within the Special Provisions included in the Contract Documents.

- In addition to the Contract Documents, the Contractor is required to have a copy of the most recent edition of the SUDAS Standard Specifications Manual on the job site at all times.

An electronic copy of the SUDAS Standard Specifications Manual may be found at the SUDAS website: www.iowasudas.org. The electronic copy can be printed free of charge.

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NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING

Old Town Water Tower Rehabilitation

CITY OF ALTOONA, IOWA PUBLIC IMPROVEMENT PROJECT

Public Hearing on Proposed Contract Documents and Estimated Cost for Improvement

Notice is hereby given that a public hearing will be held by the **City of Altoona, Iowa** on the proposed Contract Documents (plans, specifications, and form of contract), and estimated cost for the Altoona Old Town Water Tower Rehabilitation project at its meeting at **6:30 P.M. on the 16th day of November, 2026** in the City Council Chambers, Altoona City Hall, 900 Venbury Drive, Altoona, IA 50009.

Time and Place for Filing Sealed Proposals

Sealed proposals for the work comprising the improvement as stated below must be filed before **2:00 P.M.** according to the clock in the Altoona City Hall, 900 Venbury Drive, Altoona, IA 50009 on the **10th day of November 2026** at the reception desk in said Altoona City Hall. Proposals received after the deadline for submission of bids as stated herein shall not be considered and shall be returned to the late bidder unopened.

Time and Place Sealed Proposals Will be Opened and Considered

Sealed proposals will be opened and bids tabulated at **10th day of November, 2026**, in said Altoona City Hall. Proposals will be considered by the City of Altoona City Council at its meeting at **6:30 P.M. on the 16th day of November, 2026**, in said City Council Chambers. The City Council may award a Contract at said meeting, or at such other time and place as shall then be announced.

Commencement of Work

Work on the improvement shall be commenced any time after a written Notice to Proceed is issued, **no later than April 15, 2027**, and shall be completed as stated below. The Notice to Proceed will be issued after the preconstruction conference, which is expected to occur in Spring 2027. **Work on the improvement must be completed no later than September 30, 2027.**

Contract Documents

An electronic copy of the Contract Documents is available at www.QuestCDN.com. Project information, estimated total cost, and planholder information is available for no cost at the same link. Downloads of the Contract Documents require the user to register for a free membership at www.QuestCDN.com. Neither Owner nor Engineer will be responsible for Bidding Documents, including addenda, if any, obtained from sources other than QuestCDN or from the Engineer.

Paper copies of the Contract Documents are available from the MSA Professional Services, Inc., 601 E Locust Street, Suite 105, Des Moines, IA 50309 for a fee of Fifty Dollars (\$50.00) per set. This fee is refundable, provided the following conditions are met: (1) The Contract Documents are returned complete and in a reusable condition, and (2) they are returned within fourteen (14) calendar days after the award of the project. You must call 515-964-1920 in advance to reserve a paper copy.

Preference of Products and Labor

By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa.

In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any preference to bidders from that state or foreign country, including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference allowed shall be equal to the preference given or required by the state or foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident.

General Nature of the Public Improvement

Altoona Old Town Water Tower Rehabilitation

The Old Town Water Tower Rehabilitation Project consists of rehabilitation work on the existing Old Town water tower located northwest of the intersection of 3rd Street and 1st Avenue in the City of Altoona. The tower is currently out of service and is intended to remain permanently offline following completion of the project. The purpose of the project is to preserve and restore the structure as an Old Town landmark for the City. The project includes lead-based paint abatement and containment measures necessary for complete removal of the existing exterior coating system, followed by application of a new coating system matching the existing colors, lettering, and overall appearance of the tower. No work is proposed on the interior of the structure. The project also includes access and safety improvements, including replacement of existing access ladders and safety climb systems. Additional work includes removal of the existing overflow pipe, replacement of interior access hatch, removal of obsolete antenna equipment, and any miscellaneous work necessary for a complete project.

Bid Security

Each Bidder shall accompany its bid with bid security as defined in Iowa Code Section 26.8, as security that the successful Bidder will enter into a Contract for the work bid upon and will furnish after the award of Contract a corporate Surety Bond, in a form acceptable to the City of Altoona, for the faithful performance of the Contract, in an amount equal to one hundred percent (100%) of the amount of the Contract. The Bidder's security shall be in the amount fixed in the Instructions to Bidders and shall be in the form of a cashier's check or a certified check drawn on an FDIC insured bank in Iowa or on an FDIC insured bank chartered under the laws of the United States; or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States; or a Bid Bond on the form provided in the Contract Documents with corporate Surety satisfactory to the City of Altoona. The bid shall contain no condition except as provided in the specifications.

The City of Altoona reserves the right to defer acceptance of any bid for a period of thirty (30) calendar days after receipt of bids and no bid may be withdrawn during this period.

Performance, Payment, and Maintenance Bond

Each successful Bidder will be required to furnish a corporate Surety Bond in an amount equal to one hundred percent (100%) of its Contract price. Said Bond shall be issued by a responsible Surety approved by the City of Altoona and shall guarantee the faithful performance of the Contract and the terms and conditions therein contained and shall guarantee the prompt payment of all material and labor, and protect and save harmless the City of Altoona from claims and damages of any kind caused by the operations of the Contract and shall also guarantee the maintenance of the improvement caused by failures in materials and construction for a period of **four (4)** years from and after acceptance of the Contract.

Title VI Compliance

The City of Altoona, Iowa, in accordance with the provisions of Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Payment

Payments will be made on the basis of estimates prepared by the Contractor and approved by the Engineer, solely for the purpose of payment; approval by the Engineer, or the City Council, shall not be deemed as approval or acceptance of the workmanship or materials. The Contractor will be compensated for 97% of the work completed during a payment period, with the remaining 3% being retained in accordance with the Iowa Code. Regular payments approved by the Engineer will be made following the next scheduled City Council meeting. The retainage payment will be released thirty-one (31) days following acceptance of the project by the City of Altoona as per provisions in the Iowa Code.

Sales Tax Exemption

The City of Altoona will issue a sales tax exemption certificate to the Contractor for all material purchased for incorporation into the project. Sales tax exemption certificates are applicable only for the specific project for which the sales tax exemption certificate is issued.

Completion of Work

The Contractor shall fully complete the overall project **no later than September 30th, 2027**. Full completion for the overall project shall be defined as all work including punch list items completed, and all improvements ready for final acceptance. Should the Contractor fail to fully complete the work in this timeframe, liquidated damages of **One Thousand Dollars (\$1,000.00) per calendar day** will be assessed for work not fully completed within the designated Contract term(s).

The City of Altoona does hereby reserve the right to reject any or all bids, to waive informalities, and to enter into such contract, or contracts, as it shall deem to be in the best interest of the City.

This Notice is given by authority of the City Council of the City of Altoona, Iowa.

Dated at Altoona, Iowa, this **19th day of October, 2026**

Dean O'Connor, Mayor

ATTEST:

Randy Pierce City Clerk

Posted to the Iowa League of Cities and the Master Builders of Iowa websites the **21th day of October, 2026**

Published in the **Altoona Herald-Index** the **6th of November, 2026**

INSTRUCTIONS TO BIDDERS

Project Name: **ALTOONA OLD TOWN WATER TOWER REHABILITATION**

The work comprising the above referenced project shall be constructed in accordance with the most recent edition of the SUDAS Standard Specifications and as further modified by Supplemental Specifications and Special Provisions included in the Contract Documents. The terms used in the contract revision of the documents are defined in said Standard Specifications. Before submitting your bid, review the requirements of Division 1, General Provisions and Covenants, in particular the sections regarding proposal requirements, bonding, contract execution, and insurance requirements. Be certain that all documents have been completed properly, as failure to complete and sign all documents and to comply with the requirements listed below can cause your bid not to be read.

I. BID SECURITY

The bid security must be in the minimum amount of **ten percent (10%)** of the total bid amount including all add alternates (do not deduct the amount of deduct alternates). Bid security shall be in the form of a cashier's check or a certified check, drawn on an FDIC insured bank in Iowa or drawn on an FDIC insured bank chartered under the laws of the United States; or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States; or a bid bond executed by a corporation authorized to contract as a surety in Iowa or satisfactory to the Jurisdiction. The bid bond must be submitted on the enclosed Bid Bond form as no other bid bond forms are acceptable. All signatures on the Bid Bond must be original signatures in ink; facsimile (fax) of any signature or use of an electronic signature on the Bid Bond is not acceptable. Bid security other than said Bid Bond shall be made payable to **City of Altoona, Iowa**. "Miscellaneous Bank Checks" and personal checks, as well as "Money Orders" and "Traveler's Checks" issued by persons, firms, or corporations licensed under Chapter 533C of the Iowa Code, are not acceptable bid security.

II. SUBMISSION OF THE PROPOSAL AND IDENTITY OF BIDDER

- A. The proposal shall be sealed in an envelope, properly identified as the Proposal with the project title and the name and address of the Bidder, and deposited with the Jurisdiction at or before the time and at the place provided in the Notice to Bidders and Notice of Public Hearing. It is the sole responsibility of the Bidder to see that its Proposal is delivered to the Jurisdiction prior to the time for opening bids, along with the appropriate bid security sealed in a separate envelope identified as Bid Security and attached to the outside of the bid proposal envelope. Any Proposal received after the scheduled time for the receiving of proposals will be returned to the Bidder unopened and will not be considered. If the Jurisdiction provides envelopes for proposals and bid security, bidders shall be required to utilize such envelopes in the submission of their bids.

- B. The following documents shall be completed, signed, and returned in the Proposal envelope. The bid cannot be read if any of these documents are omitted from the Proposal envelope.

1. PROPOSAL – Complete each of the following parts:

- Part B – Acknowledgment of Addenda, if any have been issued
-
- Part C – Bid Items, Quantities, and Prices
-
- Part F – Additional Requirements

The following proposal attachments must be completed and attached:

<u>NO.</u>	<u>DESCRIPTION OF ATTACHMENT</u>
------------	----------------------------------

- | | |
|----|---------------------------|
| 1. | <u>Bidder Status Form</u> |
| 2. | <u></u> |

- Part G – Identity of Bidder (including the Bidder Status Form)

Sign the Proposal. The signature of the Proposal and all proposal attachments must be an original signature in ink signed by the same individual who is the Company Owner or an authorized Officer of the Company; copies or facsimile of any signature or electronic signatures will not be accepted.

The Bidder Status Form is required by the Iowa Labor Commissioner, pursuant to the Iowa Administrative Code rule 875-156.2(1). The Bidder must complete and submit the Bidder Status Form, signed by an authorized representative of the Bidder, with their bid proposal. Under Iowa Administrative Code rule 875-156.2(1), failure to provide the Bidder Status Form with the Proposal may result in the Proposal being deemed non-responsive and may result in the Proposal being rejected.

The Worksheet: Authorization to Transact Business from the Iowa Labor Commissioner is included on page IB-4 and can be used to assist Bidders in completing the Bidder Status Form.

III. STATEMENT OF BIDDER'S QUALIFICATIONS

Following the bid opening, the lowest responsive bidder will be required to submit a fully completed and accurate Statement of Bidder's Qualifications Form in order to determine the Bidder's responsibility. The Statement of Bidder's Qualifications Form shall be submitted to the Jurisdiction within twenty-four (24) hours of the bid opening. **Failure to submit a fully completed and accurate Statement of Bidder's Qualifications Form may result in the Proposal being rejected.** The Statement of Bidder's Qualifications Form is included in the Contract Documents.

IV. ELECTRONIC SUPPORT FILES

Electronic support files, if available, will be provided by the Engineer upon written request from the Bidder. Use of electronic support files shall be governed by SUDAS Standard Specifications Section 1040, 1.05. Should there be a discrepancy between an electronic support file and a contract document, the Contract Documents shall govern.

V. SPECIALTY ITEMS

The following items have been identified by the Jurisdiction as "specialty items" for the Contract:

<u>NO.</u>	<u>SPECIALTY ITEM</u>
1.	_____
2.	_____
3.	_____
4.	_____
5.	_____

The following documents must be submitted as printed. No alterations, additions, or deletions are allowed. If the Bidder notes a requirement in the Contract Documents that the Bidder believes will require a conditioned or unsolicited alternate bid, the Bidder must immediately notify the Engineer in writing. The Engineer will issue any necessary interpretation by an addendum.

PROPOSAL

PROPOSAL: PART A – SCOPE

The **City of Altoona**, hereinafter called the “Jurisdiction,” has need of a qualified contractor to complete the work comprising the below referenced improvement. The undersigned Bidder hereby proposes to complete the work comprising the below referenced improvement as specified in the Contract Documents, which are officially on file with the Jurisdiction, in the Altoona Public Services Building, at the prices hereinafter provided in Part C of the Proposal, for the following described improvement:

Altoona Old Town Water Tower Rehabilitation

The Old Town Water Tower Rehabilitation Project consists of rehabilitation work on the existing Old Town water tower located northwest of the intersection of 3rd Street and 1st Avenue in the City of Altoona. The tower is currently out of service and is intended to remain permanently offline following completion of the project. The purpose of the project is to preserve and restore the structure as an Old Town landmark for the City. The project includes lead-based paint abatement and containment measures necessary for complete removal of the existing exterior coating system, followed by application of a new coating system matching the existing colors, lettering, and overall appearance of the tower. No work is proposed on the interior of the structure. The project also includes access and safety improvements, including replacement of existing access ladders and safety climb systems. Additional work includes removal of the existing overflow pipe, replacement of interior access hatch, removal of obsolete antenna equipment, and any miscellaneous work necessary for a complete project.

PROPOSAL: PART B – ACKNOWLEDGMENT OF ADDENDA

The Bidder hereby acknowledges that all addenda become a part of the Contract Documents when issued, and that each such addendum has been received and utilized in the preparation of this bid. The Bidder hereby acknowledges receipt of the following addenda by inserting the number of each addendum in the blanks below:

ADDENDUM NUMBER _____ ADDENDUM NUMBER _____

ADDENDUM NUMBER _____ ADDENDUM NUMBER _____

and certifies that said addenda were utilized in the preparation of this bid.

PROPOSAL: PART C – BID ITEMS, QUANTITIES, AND PRICES

UNIT BID PRICE CONTRACTS: The Bidder must provide the Unit Bid Price, the Total Bid Price, any Alternate Prices, and the Total Construction Costs on the Proposal Attachment: Part C – Bid Items, Quantities, and Prices. In case of discrepancy, the Unit Bid Price governs. The quantities shown on the Proposal Attachment: Part C – Bid Items, Quantities, and Prices are approximate only, but are considered sufficiently adequate for the purpose of comparing bids. The Total Construction Cost plus any alternates selected by the Jurisdiction, shall be used only for comparison of bids. The Total Construction Cost, including any Add-Alternates, shall be used for determining the sufficiency of the bid security.

BASE BID CONTRACTS: The Bidder must provide any Bid Prices, any Alternate Prices, and the Total of the Base Bid plus any Add-Alternates on the Proposal Attachment: Part C – Bid Items, Quantities, and Prices. The Total of the Base bid plus any Alternates selected by the Jurisdiction shall be used only for comparison of bids. The Total of the Base Bid plus any Add-Alternates shall be used for determining the sufficiency of the bid security.

PROPOSAL: PART D – GENERAL

The Bidder hereby acknowledges that the Jurisdiction, in advertising for public bids for this project, reserves the right to:

1. Reject any or all bids. Award of the Contract, if any, to be to the lowest responsible, responsive bidder; and
2. Reject any or all alternates in determining the items to be included in the Contract. Designation of the lowest responsible, responsive bidder to be based on comparison of the total bid plus any selected alternates; and
3. Make such alterations in the Contract Documents or in the Proposal quantities as it determines necessary in accordance with the Contract Documents after execution of the Contract. Such alterations shall not be considered a waiver of any conditions of the Contract Documents, and shall not invalidate any of the provisions thereof; and

The Bidder hereby agrees to:

1. Submit a fully completed and accurate Statement of Bidder's Qualifications Form, if Bidder is the lowest responsive bidder.
2. Enter into a Contract, if this Proposal is selected, in the form approved by the Jurisdiction, provide proof of registration with the Iowa Division of Labor in accordance with Chapter 91C of the Iowa Code, and furnish a Performance, Payment, and Maintenance Bond; and
3. Forfeit bid security, not as a penalty but as liquidated damages, upon failure to enter into such Contract and/or to furnish said Bond; and
4. Commence the work on this project on or before a date to be specified in a written Notice to Proceed by the Jurisdiction; and to complete the project as described in the Notice to Bidders and Notice of Public Hearing as noted below:

The Contractor shall commence work on the project **no later than April 15, 2027**. The Contractor shall fully complete the overall project **no later than September 30th 2027**. Full completion for the overall project shall be defined as all work including punch list items completed, and all improvements ready for final acceptance. Should the Contractor fail to fully complete the work in this timeframe, liquidated damages of **One Thousand Dollars (\$1,000.00) per calendar day** will be assessed for work not fully completed within the designated Contract term(s).

PROPOSAL: PART E – NON-COLLUSION AFFIDAVIT

The Bidder hereby certifies:

1. That this Proposal is not affected by, contingent on, or dependent on any other proposal submitted for any improvement with the Jurisdiction; and
2. That no individual employed by the Bidder has employed any person to solicit or procure the work on this project, nor will any employee of the Bidder make any payment or agreement for payment of any compensation in connection with the procurement of this project; and
3. That no part of the bid price received by the Bidder was or will be paid to any person, corporation, firm, association, or other organization for soliciting the bid, other than the payment of their normal compensation to persons regularly employed by the Bidder whose services in connection with the construction of the project were in the regular course of their duties for the Bidder; and
4. That this Proposal is genuine and not collusive or sham; that the Bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to submit a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought, by agreement or collusion, or communication or conference, with any person, to fix the bid price of the Bidder or of any other bidder, and that all statements in this proposal are true; and
5. That the individual(s) executing this Proposal have the authority to execute this Proposal on behalf of the Bidder.

The Bidder hereby agrees to comply with the additional requirements listed below that are included in this Proposal and identified as proposal attachments:

<u>ITEM NO.</u>	<u>DESCRIPTION OF ATTACHMENT</u>
1.	<u>Bidder Status Form</u>
2.	<u></u>
3.	<u></u>

The Bidder shall indicate whether the bid is submitted by a/an:

- | | | |
|--------------------------|--|-------------------|
| ☐ | Individual,
Sole Proprietorship | |
| ☐ | Partnership | Bidder |
| ☐ | Corporation | Signature |
| ☐ | Limited Liability Company | By |
| ☐ | Joint-venture: all parties must join-in
and execute all documents | Name (Print/Type) |
| ☐ | Other | Title |

The Bidder shall enter its Public Registration Number _____ - _____ issued By the Iowa Commissioner of Labor Pursuant Section 91C.5 of the Iowa Code.

Failure to provide said Registration Number shall result in the bid being read under advisement. A Contract will not be executed until the Contractor is registered.

Street Address

City, State, Zip Code

Telephone Number

E-mail

Type or print the name and title of the company's owner, president, CEO, etc. if a different person than entered above.

Name

Title

1. The signature on this Proposal must be an original signature in ink; copies, facsimiles, or electronic signatures will not be accepted.

PROPOSAL ATTACHMENT: PART C – BID ITEMS, QUANTITIES, AND PRICES

This is a UNIT BID PRICE CONTRACT. The Bidder must provide the Bid Price(s), any Alternate Price(s), and the Total of the Base Bid plus any Add-Alternates in this Proposal Attachment: Part C – Bid Items, Quantities, and Prices the total of the base bid plus any alternates selected by the Jurisdiction shall be used only for comparison of bids. The total of the Base Bid plus any Add-Alternates shall be used for determining the sufficiency of the bid security.

BASE BID PROPOSAL

ITEM NO.	ITEM	UNIT	TOTAL	UNIT PRICE	TOTAL PRICE
1	MOBILIZATION	LS	1	\$	\$
2	FIELD PAINTING EXTERIOR SURFACES - FULL REMOVAL AND RECOATING	LS	1	\$	\$
3	CONTAINMENT SYSTEM	LS	1	\$	\$
4	MISCELLANEOUS WELDING AND GRINDING	HOUR	80	\$	\$
5	EXTERIOR TANK LETTERING "ALTOONA"	EA	2	\$	\$
6	REMOVE AND DISPOSE OF WHITE DISH ANTENNAS	LS	1	\$	\$
7	REMOVE AND SALVAGE WARNING SIREN	LS	1	\$	\$
8	REMOVE OVERFLOW PIPE	LS	1	\$	\$
9	MODIFICATIONS TO INTERIOR ACCESS HATCH	LS	1	\$	\$
10	REPLACE ANTI-CLIMBING BOARDS	LS	1	\$	\$
11	REPLACE ACCESS LADDERS	LF	160	\$	\$
12	REPLACE SAFETY CLIMB CABLES	LS	1	\$	\$

TOTAL BASE BID AMOUNT BID =

\$

All bidders must submit the following completed form to the governmental body requesting bids per
875 Iowa Administrative Code Chapter 156.

Bidder Status Form

To be completed by all bidders**Part A**

Please answer "Yes" or "No" for each of the following:

- ☐ Yes ☐ No My company is authorized to transact business in Iowa.
(To help you determine if your company is authorized, please review the worksheet on page IB-3).
- ☒ Yes ☐ No My company has an office to transact business in Iowa.
- ☐ Yes ☐ No My company's office in Iowa is suitable for more than receiving mail, telephone calls, and e-mail.
- ☐ Yes ☐ No My company has been conducting business in Iowa for at least 3 years prior to the first request for bids on this project.
- ☐ Yes ☐ No My company is not a subsidiary of another business entity or my company is a subsidiary of another business entity that would qualify as a resident bidder in Iowa.

If you answered "Yes" for each question above, your company qualifies as a resident bidder.
Please complete Parts B and D of this form.

If you answered "No" to one or more questions above, your company is a non-resident bidder.
Please complete Parts C and D of this form.

To be completed by resident bidders**Part B**

My company has maintained offices in Iowa during the past 3 years at the following addresses:

Dates: ____/____/____ to ____/____/____ Address: _____

(mm/dd/yyyy)

City, State, Zip: _____

Dates: ____/____/____ to ____/____/____ Address: _____

(mm/dd/yyyy)

City, State, Zip: _____

Dates: ____/____/____ to ____/____/____ Address: _____

(mm/dd/yyyy)

City, State, Zip: _____

You may attach additional sheet(s) if needed.

To be completed by non-resident bidders**Part C**

1. Name of home state or foreign country reported to the Iowa Secretary of State: _____
2. Does your company's home state or foreign country offer preferences to bidders who are residents? ☐ Yes ☐ No
3. If you answered "Yes" to question 2, identify each preference offered by your company's home state or foreign country and the appropriate legal citation.

You may attach additional sheet(s) if needed.

To be completed by all bidders**Part D**

I certify that the statements made on this document are true and complete to the best of my knowledge and I know that my failure to provide accurate and truthful information may be a reason to reject my bid.

Firm Name: _____

Signature: _____ Date: _____

Worksheet: Authorization to Transact Business

This worksheet may be used to help complete Part A of the Resident Bidder Status form. If at least one of the following describes your business, you are authorized to transact business in Iowa.

- ☐ Yes ☐ No My business is currently registered as a contractor with the Iowa Division of Labor.
- ☐ Yes ☐ No My business is a sole proprietorship and I am an Iowa resident for Iowa income tax purposes.
- ☐ Yes ☐ No My business is a general partnership or joint venture. More than 50 percent of the general partners or joint venture parties are residents of Iowa for Iowa income tax purposes.
- ☐ Yes ☐ No My business is an active corporation with the Iowa Secretary of State and has paid all fees required by the Secretary of State, has filed its most recent biennial report, and has not filed articles of dissolution.
- ☐ Yes ☐ No My business is a corporation whose articles of incorporation are filed in a state other than Iowa, the corporation has received a certificate of authority from the Iowa Secretary of State, has filed its most recent biennial report with the Secretary of State, and has neither received a certificate of withdrawal from the Secretary of State nor had its authority revoked.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in this state and the statement has not been canceled.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in a state other than Iowa, has filed a statement of foreign qualification in Iowa, and a statement of cancellation has not been filed.
- ☐ Yes ☐ No My business is a limited partnership or limited liability limited partnership which has filed a certificate of limited partnership in this state, and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited partnership or a limited liability limited partnership whose certificate of limited partnership is filed in a state other than Iowa, the limited partnership or limited liability limited partnership has received notification from the Iowa Secretary of State that the application for certificate of authority has been approved and no notice of cancellation has been filed by the limited partnership or the limited liability limited partnership.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in Iowa and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in a state other than Iowa, has received a certificate of authority to transact business in Iowa, and the certificate has not been revoked or canceled.

BID BOND

KNOW ALL BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, are held and firmly bound unto the **City of Altoona, Iowa**, as Obligee, (hereinafter referred to as the "Jurisdiction"), in the penal sum of _____ **DOLLARS** (\$ _____), or **ten percent (10%)** of the amount bid in lawful money of the United States, for which payment said Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns jointly and severally, firmly by these presents.

The condition of the above obligation is such that whereas the Principal has submitted to the Jurisdiction a certain Proposal, in a separate envelope, and hereby made a part hereof, to enter into a Contract in writing, for the following described improvement:

Altoona Old Town Water Tower Rehabilitation

The Old Town Water Tower Rehabilitation Project consists of rehabilitation work on the existing Old Town water tower located northwest of the intersection of 3rd Street and 1st Avenue in the City of Altoona. The tower is currently out of service and is intended to remain permanently offline following completion of the project. The purpose of the project is to preserve and restore the structure as a Old Town landmark for the City. The project includes lead-based paint abatement and containment measures necessary for complete removal of the existing exterior coating system, followed by application of a new coating system matching the existing colors, lettering, and overall appearance of the tower. No work is proposed on the interior of the structure. The project also includes access and safety improvements, including replacement of existing access ladders and safety climb systems. Additional work includes removal of the existing overflow pipe, replacement of interior access hatch, removal of obsolete antenna equipment, and any miscellaneous work necessary for a complete project.

The Surety hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way impaired or affected by any extension of the time within which the Jurisdiction may accept such bid or execute such Contract; and said Surety does hereby waive notice of any such extension.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be **Polk County, State of Iowa**. If legal action is required by the Jurisdiction against the Surety or Principal to enforce the provisions of the Bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Surety or Principal agrees to pay the Jurisdiction all damages, costs, and attorney fees incurred by enforcing any of the provisions of this Bond. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers, and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against Surety for any amount guaranteed hereunder whether action is brought against Principal or whether Principal is joined in any such action or actions or not.

NOW, THEREFORE, if said Proposal by the Principal be accepted, and the Principal shall enter into a Contract with Jurisdiction in accordance with the terms of such Proposal, including the provision of insurance and of a Bond as may be specified in the Contract Documents, with good and sufficient Surety for the faithful performance of such Contract, for the prompt payment of labor and material furnished in the prosecution thereof, and for the maintenance of said improvement as may be required therein, then this obligation shall become null and void; otherwise, the Principal shall pay to the Jurisdiction the full amount of the Bid Bond, together with court costs, attorney's fees, and any other expense of recovery.

Signed and sealed this _____ day of _____, 20____.

SURETY:

Surety Company

By _____
Signature Attorney-in-Fact/Officer

Printed Name of Attorney-in-Fact/Officer

Company Name

Company Address

City, State, Zip Code

Company Telephone Number

PRINCIPAL:

Bidder

By _____
Signature

Printed Name

Title

Address

City, State, Zip Code

Telephone Number

NOTE:

1. All signatures on this Bid Bond must be original signatures in ink; copies, facsimiles, or electronic signatures will not be accepted.
2. This Bond must be sealed with the Surety's raised, embossing seal.
3. The Certificate or Power of Attorney accompanying this Bond must be valid on its face and sealed with the Surety's raised, embossing seal.

STATEMENT OF BIDDER'S QUALIFICATIONS FORM

Following the bid opening for the listed project, the Contractor who is the lowest responsive bidder shall submit a fully completed written statement on this form sworn to before an officer authorized by law to administer oaths. The Contractor shall be bound by the information set forth in the statement. This form shall be submitted to the City of Altoona within twenty-four (24) hours of the bid opening.

Failure to submit a fully completed and accurate Statement of Bidder's Qualifications Form may result in the Proposal being rejected.

Instructions

1. All questions must be answered completely and correctly.
2. Do not leave blanks.
3. If a question or section is not applicable, write "Not Applicable" or "N/A".
4. "Information Provided Upon Request" or similar responses are not acceptable.
5. If you need additional space to complete an answer, use a separate piece of paper and attach it to this form.

Project Information

Project Name: ALTOONA OLD TOWN WATER TOWER REHABILITATION

Owner's Name: City of Altoona, Iowa

Owner's Address: Altoona City Hall, 900 Venbury Drive, Altoona, Iowa, 50009

Contractor Information

1. Identification
 - A. Name of Organization: _____
 - B. Name and Title of Responsible Individual: _____
 - C. Contractor's Address: _____
 - D. Telephone Number: _____
 - E. Fax Number: _____
 - F. E-mail: _____

2. Responsibility

- A. Has the Contractor's Registration ever been suspended or revoked in any jurisdiction?

_____ Yes _____ No

If yes, provide all relevant information and documentation regarding the suspension or revocation.

- B. Has the Contractor ever been unable to obtain a bond or been denied a bond?

_____ Yes _____ No

If yes, provide all relevant information and documentation regarding the refusal or denial.

- C. Has the Contractor had any judgments entered against it or been a party to arbitration proceedings or litigation within the past five (5) years, or are there any currently pending arbitration proceedings or litigation involving the Contractor or any of its officers?

_____ Yes _____ No

If yes, provide listings, status, and outcomes regarding the judgments, arbitration proceedings, or litigation. The Owner reserves the right to request additional information, if deemed necessary.

- D. Within the past five (5) years, has the Contractor, or the Contractor's proposed subcontractor(s) for the Project, ever been prohibited, debarred, disqualified, or removed by any federal, state, or local governmental entity from bidding on any project?

_____ Yes _____ No

If yes, provide all relevant information and documentation regarding the prohibition, debarment, disqualification, or removal.

- E. Within the past five (5) years, has the Contractor, or the Contractor's proposed subcontractor(s) for the Project, received notification of breach or default on any contract; had any contract terminated; had any owner request to take over work; failed to substantially complete any project in a timely manner; or failed to fully complete any project in a timely manner?

_____ Yes _____ No

If yes, provide all relevant information and documentation regarding said breach, default, termination, owner request to take over work, or failure to complete.

_____ Yes _____ No

I hereby certify that:

- Dated this _____ day of _____, 20____.

Title: _____

On this _____ day of _____, 20____, before me, the undersigned, a Notary Public in and for the State of _____, personally appeared _____ and _____, to me known to be the identical person(s) named in and who executed the foregoing instrument, and acknowledged that (he) (she) (they) executed the instrument as (his) (her) (their) voluntary act and deed.

Altoona Old Town Water Tower Rehabilitation

CONTRACT

THIS CONTRACT, made and entered into at **Altoona, Iowa** this _____ day of _____, 20_____, by and between the **City of Altoona, Iowa** by its **Mayor**, upon order of its **City Council** hereinafter called the "Jurisdiction," and _____, hereinafter called the "Contractor."

WITNESSETH:

The Contractor hereby agrees to complete the work comprising the below referenced improvement as specified in the Contract Documents, which are officially on file with the Jurisdiction, in the Altoona Public Services Building. This Contract includes all Contract Documents. The work under this Contract shall be constructed in accordance with the SUDAS Standard Specifications, Most Recent Edition, and as further modified by the Supplemental Specifications and Special Provisions included in said Contract Documents. The Contractor further agrees to complete the work in strict accordance with said Contract Documents, and to guarantee the work as required by law, for the time required in said Contract Documents, after its acceptance by the Jurisdiction.

This Contract is awarded and executed for completion of the work specified in the Contract Documents for the bid prices shown on the Contract Attachment: Bid Items, Quantities, and Prices, which were proposed by the Contractor in its Proposal submitted in accordance with the Notice to Bidders and Notice of Public Hearing for the following described improvement:

Altoona Old Town Water Tower Rehabilitation

The Old Town Water Tower Rehabilitation Project consists of rehabilitation work on the existing Old Town water tower located northwest of the intersection of 3rd Street and 1st Avenue in the City of Altoona. The tower is currently out of service and is intended to remain permanently offline following completion of the project. The purpose of the project is to preserve and restore the structure as an Old Town landmark for the City. The project includes lead-based paint abatement and containment measures necessary for complete removal of the existing exterior coating system, followed by application of a new coating system matching the existing colors, lettering, and overall appearance of the tower. No work is proposed on the interior of the structure. The project also includes access and safety improvements, including replacement of existing access ladders and safety climb systems. Additional work includes removal of the existing overflow pipe, replacement of interior access hatch, removal of obsolete antenna equipment, and any miscellaneous work necessary for a complete project.

The Contractor agrees to perform said work for and in consideration of the Jurisdiction's payment of the bid amount of _____ DOLLARS (\$ _____), which amount shall constitute the required amount of the Performance, Payment, and Maintenance Bond. The Contractor hereby agrees to commence work under this Contract on or before a date to be specified in a written Notice to Proceed by the Jurisdiction; and to complete the project as described in the Notice to Bidders and Notice of Public Hearing as noted below:

The Contractor shall fully complete the overall project and **no later than September 30th, 2027**. Full completion for the overall project shall be defined as all work including punch list items completed, and all improvements ready for final acceptance. Should the Contractor fail to fully complete the work in this timeframe, liquidated damages of **One Thousand Dollars (\$1,000.00) per calendar day** will be assessed for work not fully completed within the designated Contract term(s). IN WITNESS WHEREOF, the Parties hereto have executed this instrument, in triplicate on the date first shown

written.

JURISDICTION:

By _____

(Seal)
ATTEST:

CONTRACTOR:

Contractor

By _____
Signature

Title

Street Address

City, State, Zip Code

Telephone

CONTRACTOR PUBLIC REGISTRATION INFORMATION To Be Provided By:

1. All Contractors: The Contractor shall enter its Public Registration Number ____ - ____ issued by the Iowa Commissioner of Labor pursuant to Section 91C.5 of the Iowa Code.
2. Out-of-State Contractors:
 - A. Pursuant to Section 91C.7 of the Iowa Code, an out-of-state contractor, before commencing a contract in excess of five thousand dollars in value in Iowa, shall file a bond with the Division of Labor Services of the Iowa Department of Workforce Development. It is the contractor's responsibility to comply with said Section 91C.7 before commencing this work.
 - B. Prior to entering into contract, the designated low bidder, if it is a corporation organized under the laws of a state other than Iowa, shall file with the Engineer a certificate from the Secretary of the State of Iowa showing that it has complied with all the provisions of Chapter 490 of the Iowa Code, or as amended, governing foreign corporations.

NOTE:

1. All signatures on this Contract must be original signatures in ink; copies, facsimiles, or electronic signatures will not be accepted.

CORPORATE ACKNOWLEDGMENT

State of _____)
) SS
_____ County)

On this _____ day of _____, 20____, before me, the undersigned, a Notary Public in and for the State of _____, personally appeared _____ and _____, to me known, who, being by me duly sworn, did say that they are the _____, and _____, respectively, of the corporation executing the foregoing instrument; that (no seal has been procured by) (the seal affixed thereto is the seal of) the corporation; that said instrument was signed (and sealed) on behalf of the corporation by authority of this Board of Directors; that _____ and _____ acknowledged the execution of the instrument to be the voluntary act and deed of the corporation, by it and by them voluntarily executed.

Notary Public in and for the State of _____
My commission expires _____, 20____

PARTNERSHIP ACKNOWLEDGMENT

State of _____)
) SS
_____ County)

On this _____ day of _____, 20____, before me, the undersigned, a Notary Public in and for the State of _____, personally appeared _____ to me personally known, who being by me duly sworn, did say that the person is one of the partners of _____, a partnership, and that the instrument was signed on behalf of the partnership by authority of the partners and the partner acknowledged the execution of the instrument to be the voluntary act and deed of the partnership by it and by the partner voluntarily executed.

Notary Public in and for the State of _____
My commission expires _____, 20____

INDIVIDUAL ACKNOWLEDGMENT

State of _____)
) SS
_____ County)

On this _____ day of _____, 20____, before me, the undersigned, a Notary Public in and for the State of _____, personally appeared _____ and _____, to me known to be the identical person(s) named in and who executed the foregoing instrument, and acknowledged that (he) (she) (they) executed the instrument as (his) (her) (their) voluntary act and deed.

Notary Public in and for the State of _____
My commission expires _____, 20____

LIMITED LIABILITY COMPANY ACKNOWLEDGMENT

State of _____)
) SS
_____ County)

On this _____ day of _____, 20____, before me a Notary Public in and for said county, personally appeared _____, to me personally known, who being by me duly sworn did say that person is _____ of said _____, that (the seal affixed to said instrument is the seal of said OR no seal has been procured by the said) _____, and that said instrument was signed and sealed on behalf of the said _____, by authority of its managers and the said _____ acknowledged the execution of said instrument to be the voluntary act and deed of said _____, by it voluntarily executed.

Notary Public in and for the State of _____
My commission expires _____, 20____

CONTRACT ATTACHMENT: BID ITEMS, QUANTITIES, AND PRICES

This Contract is awarded and executed for completion of the work specified in the Contract Documents for the bid prices tabulated below as proposed by the Contractor in its Proposal submitted in accordance with the Notice to Bidders and Notice of Public Hearing. All quantities are subject to revision by the Jurisdiction. Quantity changes that amount to 20% or less of the amount bid shall not affect the unit bid price.

BASE BID PROPOSAL

ITEM NO.	ITEM	UNIT	TOTAL	UNIT PRICE	TOTAL PRICE
1	MOBILIZATION	LS	1	\$	\$
2	FIELD PAINTING EXTERIOR SURFACES - FULL REMOVAL AND RECOATING	LS	1	\$	\$
3	CONTAINMENT SYSTEM	LS	1	\$	\$
4	MISCELLANEOUS WELDING AND GRINDING	HOUR	80	\$	\$
5	EXTERIOR TANK LETTERING "ALTOONA"	EA	2	\$	\$
6	REMOVE AND DISPOSE OF WHITE DISH ANTENNAS	LS	1	\$	\$
7	REMOVE AND SALVAGE WARNING SIREN	LS	1	\$	\$
8	REMOVE OVERFLOW PIPE	LS	1	\$	\$
9	MODIFICATIONS TO INTERIOR ACCESS HATCH	LS	1	\$	\$
10	REPLACE ANTI-CLIMBING BOARDS	LS	1	\$	\$
11	REPLACE ACCESS LADDERS	LF	160	\$	\$
12	REPLACE SAFETY CLIMB CABLES	LS	1	\$	\$

TOTAL BASE BID AMOUNT BID =

\$

PERFORMANCE, PAYMENT, AND MAINTENANCE BOND

KNOW ALL BY THESE PRESENTS:

That we, _____, as Principal (hereinafter the "Contractor" or "Principal") and _____, as Surety, are held and firmly bound unto the **City of Altoona, Iowa**, as Obligee, (hereinafter referred to as the "Jurisdiction"), and to all persons who may be injured by any breach of any of the conditions of this Bond in the penal sum of _____ DOLLARS (\$ _____), lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, legal representatives, and assigns, jointly or severally, firmly by these presents.

The conditions of the above obligations are such that whereas said Contractor entered into a contract with the Jurisdiction, bearing date the _____ day of _____, 20____, (hereinafter the "Contract") wherein said Contractor undertakes and agrees to construct the following described improvement:

Altoona Old Town Water Tower Rehabilitation

The Old Town Water Tower Rehabilitation Project consists of rehabilitation work on the existing Old Town water tower located northwest of the intersection of 3rd Street and 1st Avenue in the City of Altoona. The tower is currently out of service and is intended to remain permanently offline following completion of the project. The purpose of the project is to preserve and restore the structure as an Old Town landmark for the City. The project includes lead-based paint abatement and containment measures necessary for complete removal of the existing exterior coating system, followed by application of a new coating system matching the existing colors, lettering, and overall appearance of the tower. No work is proposed on the interior of the structure. The project also includes access and safety improvements, including replacement of existing access ladders and safety climb systems. Additional work includes removal of the existing overflow pipe, replacement of interior access hatch, removal of obsolete antenna equipment, and any miscellaneous work necessary for a complete project.

and to faithfully perform all the terms and requirements of said Contract within the time therein specified, in a good and workmanlike manner, and in accordance with the Contract Documents.

It is expressly understood and agreed by the Contractor and Surety in this Bond that the following provisions are a part of this Bond and are binding upon said Contractor and Surety, to-wit:

1. **PERFORMANCE:** The Contractor shall well and faithfully observe, perform, fulfill, and abide by each and every covenant, condition, and part of said Contract and Contract Documents, by reference made a part hereof, for the above referenced improvement, and shall indemnify and save harmless the Jurisdiction from all outlay and expense incurred by the Jurisdiction by reason of the Contractor's default or failure to perform as required. The Contractor shall also be responsible for the default or failure to perform as required under the Contract and Contract Documents by all its subcontractors, suppliers, agents, or employees furnishing materials or providing labor in the performance of the Contract.

2. **PAYMENT:** The Contractor and the Surety on this Bond are hereby agreed to pay all just claims submitted by persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the performance of the Contract on account of which this Bond is given, including but not limited to claims for all amounts due for labor, materials, lubricants, oil, gasoline, repairs on machinery, equipment, and tools, consumed or used by the Contractor or any subcontractor, wherein the same are not satisfied out of the portion of the contract price the Jurisdiction is required to retain until completion of the improvement, but the Contractor and Surety shall not be liable to said persons, firms, or corporations unless the claims of said claimants against said portion of the contract price shall have been established as provided by law. The Contractor and Surety hereby bind themselves to the obligations and conditions set forth in Chapter 573 of the Iowa Code, which by this reference is made a part hereof as though fully set out herein.
3. **MAINTENANCE:** The Contractor and the Surety on this Bond hereby agree, at their own expense:
 - A. To remedy any and all defects that may develop in or result from work to be performed under the Contract within the period of **four (4)** years from the date of acceptance of the work under the Contract, by reason of defects in workmanship or materials used in construction of said work;
 - B. To keep all work in continuous good repair; and
 - C. To pay the Jurisdiction's reasonable costs of monitoring and inspecting to assure that any defects are remedied, and to repair the Jurisdiction all outlay and expense incurred as a result of Contractor's and Surety's failure to remedy any defect as required by this section.
4. **GENERAL:** Every Surety on this Bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:
 - A. To consent without notice to any extension of time to the Contractor in which to perform the Contract;
 - B. To consent without notice to any change in the Contract or Contract Documents, which thereby increases the total contract price and the penal sum of this bond, provided that all such changes do not, in the aggregate, involve an increase of more than 20% of the total contract price, and that this Bond shall then be released as to such excess increase; and
 - C. To consent without notice that this Bond shall remain in full force and effect until the Contract is completed, whether completed within the specified contract period, within an extension thereof, or within a period of time after the contract period has elapsed and the liquidated damage penalty is being charged against the Contractor.
 - D. That no provision of this Bond or of any other contract shall be valid which limits to less than five years after the acceptance of the work under the Contract the right to sue on this Bond.

- E. That as used herein, the phrase “all outlay and expense” is not to be limited in any way, but shall include the actual and reasonable costs and expenses incurred by the Jurisdiction including interest, benefits, and overhead where applicable. Accordingly, “all outlay and expense” would include but not be limited to all contract or employee expense, all equipment usage or rental, materials, testing, outside experts, attorneys’ fees (including overhead expenses of the Jurisdiction’s staff attorneys), and all costs and expenses of litigation as they are incurred by the Jurisdiction. It is intended the Contractor and Surety will defend and indemnify the Jurisdiction on all claims made against the Jurisdiction on account of Contractor’s failure to perform as required in the Contract and Contract Documents, that all agreements and promises set forth in the Contract and Contract Documents, in approved change orders, and in this Bond will be fulfilled, and that the Jurisdiction will be fully indemnified so that it will be put into the position it would have been in had the Contract been performed in the first instance as required.

In the event the Jurisdiction incurs any “outlay and expense” in defending itself against any claim as to which the Contractor or Surety should have provided the defense, or in the enforcement of the promises given by the Contractor in the Contract, Contract Documents, or approved change orders, or in the enforcement of the promises given by the Contractor and Surety in this Bond, the Contractor and Surety agree that they will make the Jurisdiction whole for all such outlay and expense, provided that the Surety’s obligation under this Bond shall not exceed 125% of the penal sum of this Bond.

In the event that any actions or proceedings are initiated regarding this Bond, the parties agree that the venue thereof shall be Polk County, State of Iowa. If legal action is required by the Jurisdiction to enforce the provisions of this Bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Contractor and the Surety agree, jointly and severally, to pay the Jurisdiction all outlay and expense incurred therefor by the Jurisdiction. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers, and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against Surety for any amount guaranteed hereunder whether action is brought against the Contractor or whether Contractor is joined in any such action(s) or not.

NOW THEREFORE, the condition of this obligation is such that if said Principal shall faithfully perform all of the promises of the Principal, as set forth and provided in the Contract, in the Contract Documents, and in this Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

When a word, term, or phase is used in this Bond, it shall be interpreted or construed first as defined in this Bond, the Contract, or the Contract Documents; second, if not defined in the Bond, Contract, or Contract Documents, it shall be interpreted or construed as defined in applicable provisions of the Iowa Code; third, if not defined in the Iowa Code, it shall be interpreted or construed according to its generally accepted meaning in the construction industry; and fourth, if it has no generally accepted meaning in the construction industry, it shall be interpreted or construed according to its common or customary usage.

Failure to specify or particularize shall not exclude terms or provisions not mentioned and shall not limit liability hereunder. The Contract and Contract Documents are hereby made a part of this Bond.

Witness our hands, in triplicate, this _____ day of _____, 20____.

PRINCIPAL:

Contractor

By

Signature

Title

SURETY:

Surety Company

By

Signature Attorney-in-Fact Officer

Printed Name of Attorney-in-Fact Officer

Company Name

Company Address

City, State, Zip Code

Company Telephone Number

NOTE:

1. All signatures on this Performance, Payment, and Maintenance Bond must be original signatures in ink; copies, facsimiles, or electronic signatures will not be accepted.
2. This Bond must be sealed with the Surety's raised, embossing seal.
3. The Certificate or Power of Attorney accompanying this Bond must be valid on its face and sealed with the Surety's raised, embossing seal.
4. The name and signature of the Surety's Attorney-in-Fact/Officer entered on this Bond must be exactly as listed on the Certificate or Power of Attorney accompanying this Bond.

NPDES GENERAL PERMIT CONTRACTUAL REQUIREMENTS

Altoona Old Town Water Tower Rehabilitation

This project is subject to section 402(b) of the Clean Water Act and IAC 455 B.174 Subrule 567-64.4 (projects disturbing one or more total acres) and requires inclusion in the National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 or individual NPDES Permit for storm water discharge associated with industrial activity for construction activities. The Contractor shall perform all pollution prevention measures as identified in the plans and specifications. A copy of the pollution prevention plan, provided by the Engineer, shall be kept at the City of Altoona Public Works Department from the time construction begins until the site has reached final stabilization. The prime contractor must sign the NPDES Certification Statement and submit it with the contract documents. By doing so, the prime contractor becomes co-permittee with the owner and other co-permittee contractors. The prime contractor must identify which contracting entity will be responsible for each portion of the pollution prevention plan and maintain the site in compliance with the pollution prevention plan and NPDES Permit.

All subcontractors, including short-term contractors and subcontractors, prior to approval, must sign the NPDES Certification Statement before conducting any work at the site. The certification must be signed in accordance with the signatory requirements found in the general permit; i.e., principal executive officer, vice president, general partner, proprietor, elected official, and will be incorporated into the pollution prevention plan.

Upon signing the certification, the contractor or subcontractor becomes a co-permittee with the owner and other co-permittee contractors. In signing the plan, the authorized representative certifies that the information is true and assumes liability for the plan. Note that Section 309 of the Clean Water Act provides for significant penalties where information is false or the permittee violates, either knowingly or negligently, permit requirements.

NPDES CERTIFICATION STATEMENT

Project Name: ALTOONA OLD TOWN WATER TOWER REHABILITATION

Project Location: Northwest of the intersection of 3rd Street and 1st Avenue

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site as part of this certification. Further, by my signature, I understand that I am a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No. 2 for 'Storm Water Discharge Associated with Industrial Activity for Construction Activities' at the identified site. As a co-permittee, I understand that I, and my company, are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan (SWPPP) developed under this NPDES permit and the terms of this NPDES permit."

Identity of Contractor or Subcontractor

Name of Organization: _____

Name of Responsible Individual: _____

Title of Responsible Individual: _____

Contractor's Address: _____

Telephone Number: _____

Fax Number: _____

Email: _____

Signature

Date

NOTICE TO PROCEED

PROJECT: ALTOONA OLD TOWN WATER TOWER REHABILITATION

OWNER: City of Altoona, Iowa DATE: _____

TO: Contractor Name: _____

Contractor Address: _____

You are hereby notified to commence work in accordance with the Contract dated **November 10, 2026**; any time after issuance of this written Notice to Proceed, **no later than April 15, 2027** and you are to complete the work as follows:

The Contractor shall fully complete the overall project and **no later than September 30, 2027**. Full completion for the overall project shall be defined as all work including punch list items completed, and all improvements ready for final acceptance. Should the Contractor fail to fully complete the work in this timeframe, liquidated damages of **One Thousand Dollars (\$1,000.00) per calendar day** will be assessed for work not fully completed within the designated Contract term(s).

MSA Professional Services, Inc.

By: _____

Title: Project Engineer

ACCEPTANCE OF NOTICE

Receipt of the above Notice to Proceed is hereby acknowledged by _____ of

_____ on this the _____ day of _____, 20____.

By: _____

Title: _____



VEENSTRA & KIMM, INC.

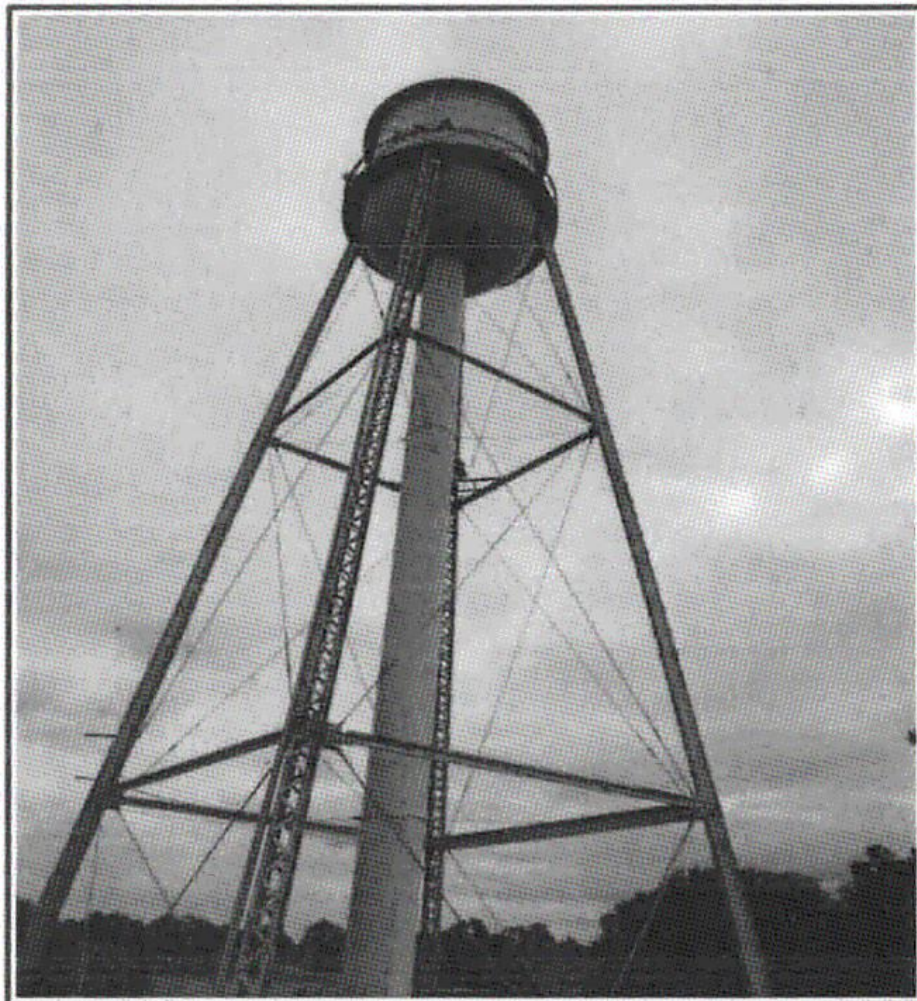
860 22nd Avenue, Suite 4 • Coralville, Iowa 52241-1555
319-466-1000 • 319-466-1000(FAX) • 888 341 6001(WATU)

ALTOONA PLANT NO. 1 WATER TOWER ALTOONA, IOWA

Inspected by: Lee Price/Sam Shriver

General

On October 5, 2021, Veenstra & Kimm, Inc performed a visual inspection on the Altoona Plant No. 1 Water Tower for the City of Altoona.



Observations

Altoona Plant No. 1 Water Tower
City of Altoona

Veenstra & Kimm, Inc.
Project No. 258131

A. Interior of tower: (WET)

1. The wet interior is in good condition through visible inspection. There are a few minor areas of damaged coating on the bottom (belly) of the tower that have corrosion visible.
2. The roof is in good condition with minor corrosion visible at the lap seams (crevice) and welds, including where the roof meets the sidewall.
3. There are minor areas of corrosion visible on sidewalls of tower. The main areas are located along seams where panels overlap.

Note: Crevice corrosion - refers to the localized attack on a metal surface at or immediately adjacent to, the gap or crevice between two joining surfaces.

B. Exterior of tower:

1. The exterior of the tower is in poor condition. There is major corrosion visible throughout the exterior, of the tower. The worst areas include the legs, riser, wind rods, and bracing.
2. The overflow discharge is in good condition with some generalized corrosion. The screen in place (#12 mesh) is bigger than the current requirement of #24 mesh or smaller. The overflow discharge is 22-23 inches above the splash pad. This meets the current requirement is 12- 24 inches above the splash pad.
3. The vent on the top of the tower is in good condition. There is minor corrosion and chipped coating on the vent. The vent screen in place is in good condition. The screen is a #24 mesh. This meets the current requirement of #24 mesh or smaller.
4. The wet access hatch on the roof is in fair condition showing cracked coating and some corrosion. The upper hinge is seized up causing the hatch to twist when opening. The hinge is compromised and starting to break. It will eventually break completely.
5. The ladders are in fair condition. There are multiple areas of corrosion and chipped coating on the ladders. There are 2 bolts missing from the top of the sidewall ladder (right hand side). There is antenna and cable equipment that is located on or close to the ladder. This creates a safety hazard during climbing and should be corrected. The ladders are equipped with a safety cable climb. Due to the current condition of the ladders, it is not recommended to use this safety feature as the only fall protection when climbing.
6. The splash pad is in good condition.
7. The foundations of the legs are in good condition. The riser foundation is in good condition. Normal weathering is present.
8. The grout at the bottom of the riser in good condition.
9. The lattice legs have boards bolted to them to prevent climbing access. Some of these boards have been covered with a galvanized metal. The boards are in poor condition.
10. There is what appears to be an old emergency siren located on the tower behind the ladder leg. It is unknown if it's still operational.

Recommendations

A. Interior Wet Area:

In its current condition, it is recommended that the interior be cleaned and inspected every 2-4 years.

B. Exterior Tower Maintenance Recommendations:

In the current condition, it is recommended the tower receive a complete commercial blast (NACE-3 SSPC -SP6) and recoat.

A pressure wash and overcoat option is not a viable option due to the excessive corrosion and loose coating visible throughout the exterior of the tower.

Replace the boards on the lattice legs that prevent access with something that is more durable over time (metal/composite).

Install a new wet hatch on the roof or repair the existing one.

Weld ladder to stand-offs to secure in place. Remove and reinstall cable and antenna mounts so that they do not interfere with climbing the ladder.

Remove old emergency siren if it is not operational. If it is operational leave it in place.

The overflow discharge pipe screen should be modified to meet current requirements.

Cost Estimates

The following estimate is based on previous tower maintenance/repair projects completed by Veenstra & Kimm, Inc.

Repair Task

Cost Estimates

Exterior full blast/new coating system
With full containment

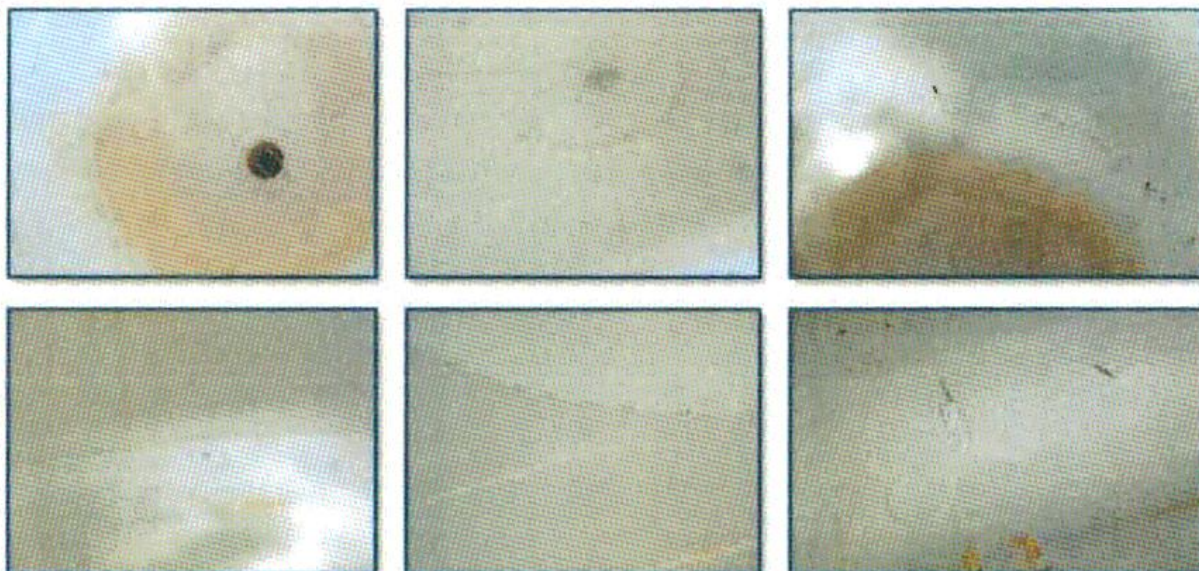
\$180,000-250,000

Due to lead being present in the existing exterior coating, it will be required to utilize a containment system as well as an additive in the blast media. (Analytical report, from paint samples taken, is attached)

Note: With inflation and product cost going up every couple of years this estimate is only valid for the next couple years.

Photos

Interior Wet Area:



EXTERIOR:

Vent:



Siren:



Exterior:



Overflow:



Roof Wet Hatch:



ANALYTICAL REPORT

October 27, 2021

Work Order: 1EJ1759

Page 1 of 4

Report To

Lee Price
Veenstra & Kimm, Inc. - Coralville
860 22nd Ave, Suite 4
Coralville, IA 52241-1565

Work Order Information

Date Received: 10/15/2021 8:30:00AM
Collector: Unknown
Phone: (319) 466-1000
PO Number:

Project: Paint Chip Samples

Project Number: Tower Prelim Inspection, Altoona, IA

CASE NARRATIVE

The samples received on 10/15/21 08:30 for Work Order 1EJ1759 were contained in client supplied containers.

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1EJ1759-01	Plant #1 Legged Tower			Matrix: Solid		Collected: 10/14/21 00:00	
Chromium, total	2670 mg/kg	29.3	1EJ1170	EPA 6010B	JAR	10/26/21 8:41	
Lead, total	11600 mg/kg	122	1EJ1170	EPA 6010B	JAR	10/26/21 9:10	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL = Method Reporting Limit.

Veenstra & Kimm, Inc. - Coralville
860 22nd Ave, Suite 4
Coralville, IA 52241-1565

October 27, 2021
Page 2 of 4

Work Order: 1EJ1759

Determination of Total Metals - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1EJ1170 - EPA 3050B Digestion										
Blank (1EJ1170-BLK1)				Prepared: 10/22/21 Analyzed: 10/26/21						
Chromium, total	ND	7.5	mg/kg							
Lead, total	ND	12.5	"							
LCS (1EJ1170-BS1)				Prepared: 10/22/21 Analyzed: 10/26/21						
Chromium, total	150	7.5	mg/kg	150.000		99.7	80-120			
Lead, total	146	12.5	"	150.000		97.4	80-120			
Matrix Spike (1EJ1170-MS1)				Source: 1EJ1729-01		Prepared: 10/22/21 Analyzed: 10/26/21				
Chromium, total	362	28.9	mg/kg	144.578	212	104	75-125			
Lead, total	2430	48.2	"	144.578	1030	969	75-125			QM-07
Matrix Spike Dup (1EJ1170-MSD1)				Source: 1EJ1729-01		Prepared: 10/22/21 Analyzed: 10/26/21				
Chromium, total	412	29.4	mg/kg	147.131	212	136	75-125	12.7	20	QM-07
Lead, total	1670	49.0	"	147.131	1030	434	75-125	37.1	20	QM-07
Post Spike (1EJ1170-PS1)				Source: 1EJ1729-01		Prepared: 10/22/21 Analyzed: 10/26/21				
Chromium, total	5.0		mg/kg	4.00000	0.9	104	80-120			
Lead, total	8.16		"	4.00000	4.15	100	80-120			

ND = Non Detect; REC = Recovery; RPD = Relative Percent Difference

Certified Analyses Included In This Report

Method/Matrix	Analyte	Certifications	
EPA 6010B in Solid			
	Chromium, total	SIA1X,KS-NT	
	Lead, total	SIA1X,KS-NT	
Code	Description	Number	Expires
KS-KC	Kansas Department of Health and Environment-KC	E-10110	04/30/2022
KS-NT	Kansas Department of Health and Environment (NELAP)	E-10287	10/31/2021
MO-KC	Missouri Department of Natural Resources	140	04/30/2022
SIA1X	Iowa Dept. of Natural Resources (updated certificate pending)	95	02/01/2021

Notes and Definitions

QM-07 The spike recovery and/or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRI = Method Reporting Limit

Veenstra & Kimm, Inc. - Coralville
860 22nd Ave, Suite 4
Coralville, IA 52241-1565

October 27, 2021

Page 3 of 4

Work Order: 1EJ1759

End of Report

Dara Hanson

Keystone Laboratories, Inc.

Dara Hanson

Project Manager I

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL = Method Reporting Limit.

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October 27, 2021
Page 4 of 4

Work Order: 1EJ1759



1EJ1759
Temp R.3
VEENSTRA & KIMM, INC.
860 22nd Avenue - Suite 4 • Coralville, Iowa 52241-1565
319-336-1100 • 319-336-1101 FAX • 319-336-1102

LETTER OF TRANSMITTAL

TO: Keystone Laboratories, Inc.
600 E 17th Street S
Suite B
Newton, Iowa 50208

DATE 10/11/2021	JOB 258131
RE: Tower Prelim Inspection	
Altoona, IA	

ATTENTION: Dara Hanson

WE ARE SENDING YOU

- | | | | |
|---|---------------------------------------|---|---|
| ☐ Copy of Letter | ☐ Prints | ☐ Plans | ☐ Specifications |
| ☐ Pay Estimate | ☐ Change Order | ☒ Paint Samples | |

Quantity	Description
1	Ziploc bag of paint chips from Plant #1 Legged Tower - exterior paint samples

THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|--|
| ☐ For Approval | ☐ As Requested | ☐ For Review and Comment |
| ☒ For Your Use | ☐ For Your Files | ☒ Paint Analysis Request |

REMARKS

Please analyze these paint chips for lead and chromium.

SIGNED:

Michelle M. Ching
10/11/2021 8:30

COPY TO:

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL = Method Reporting Limit

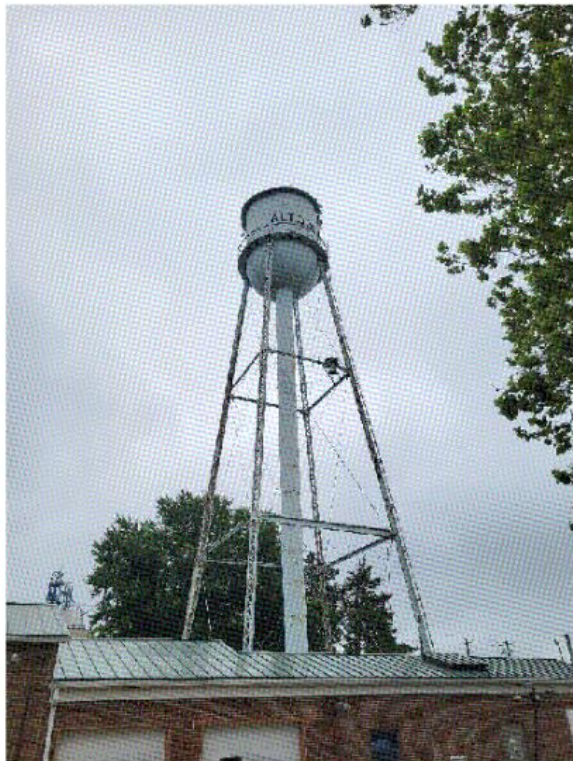
Existing Photos

Old Town Water Tower Rehabilitation

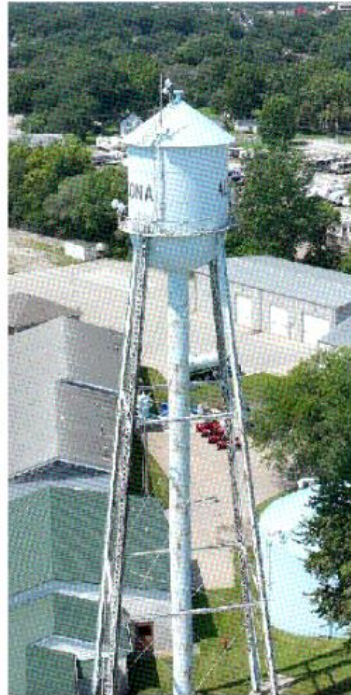
City of Altoona, IA

MSA Project #: 09005010

MSA: Brad Stuczynski



Picture 1



Picture 2



Picture 3



Picture 4



Picture 5



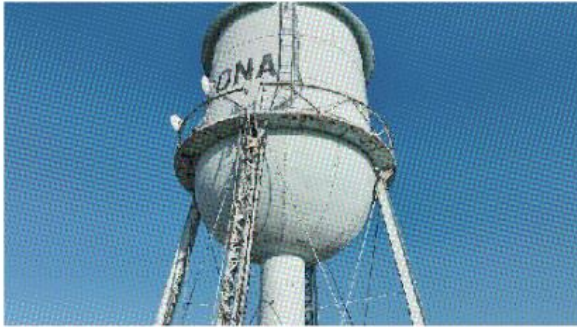
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Picture 7



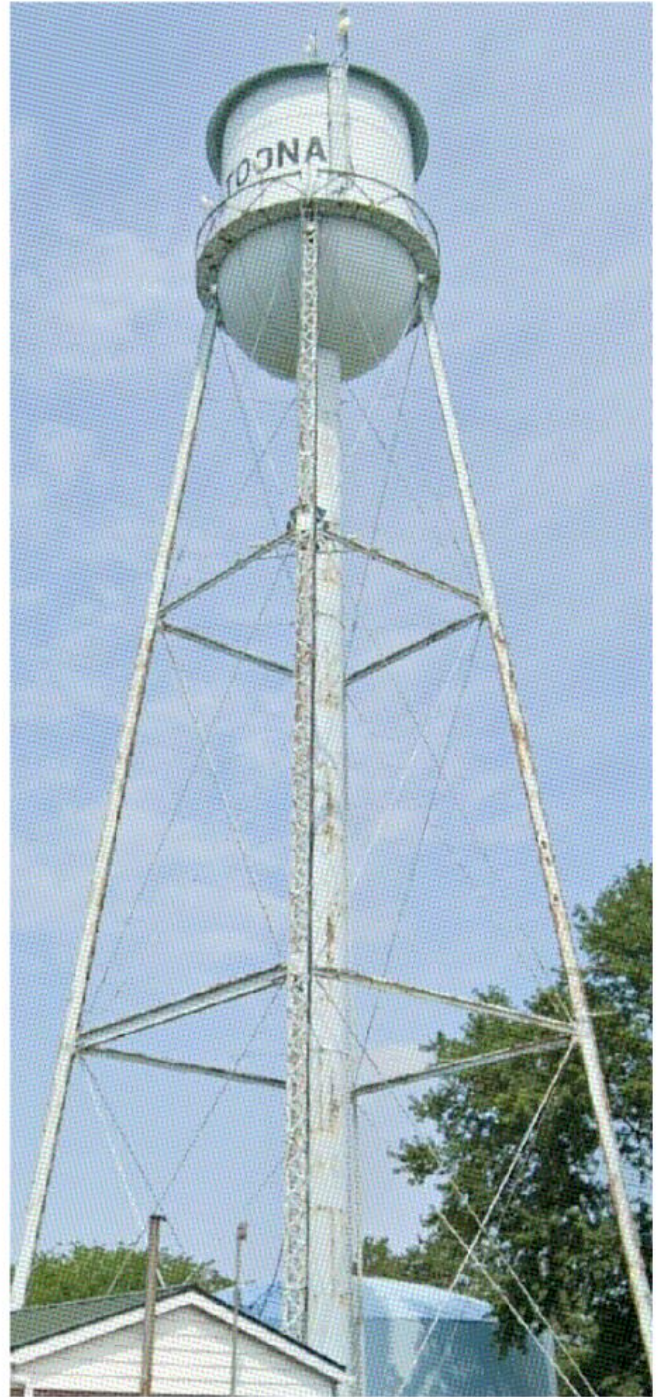
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Picture 9



Picture 10



Picture 11

Existing Photos
Altoona, IA – Old Town Water Tower Rehabilitation

MSA #09005010



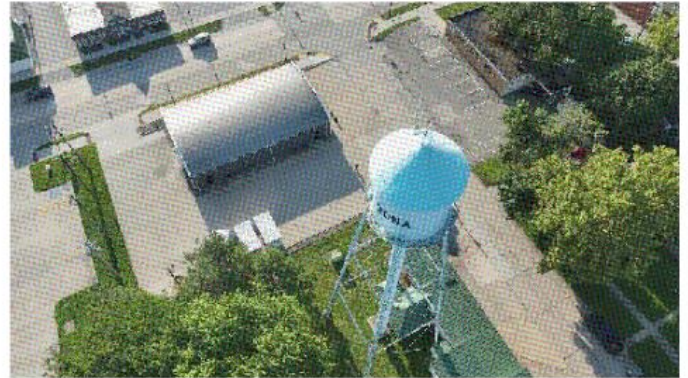
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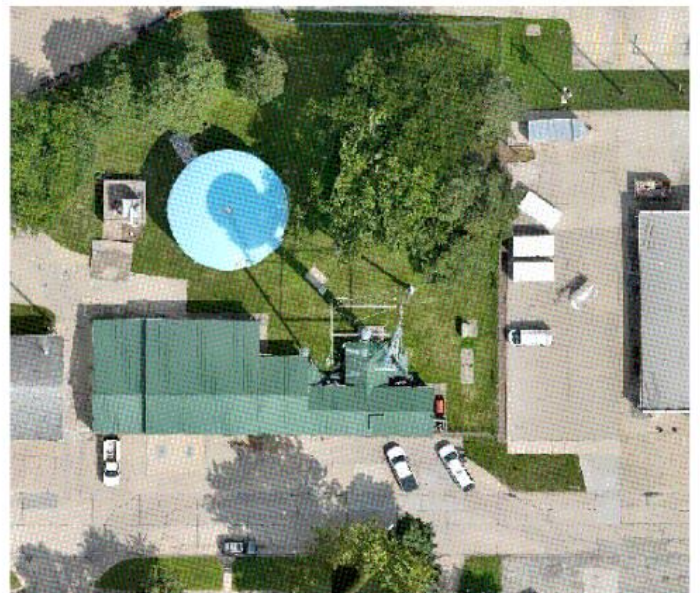
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Picture 14



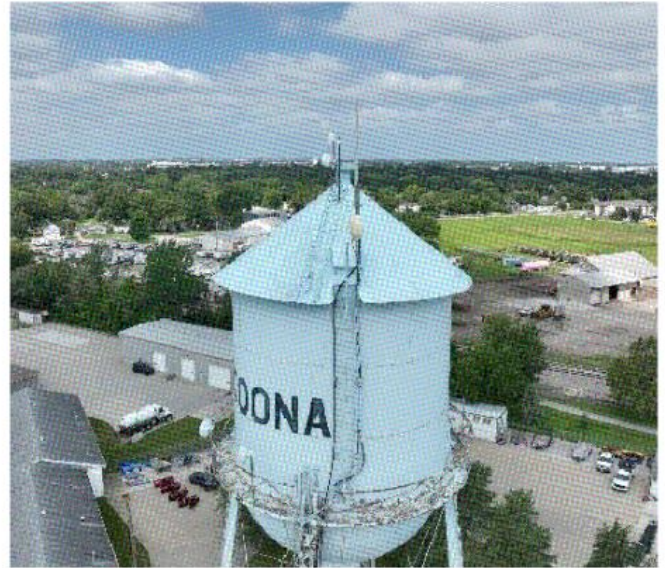
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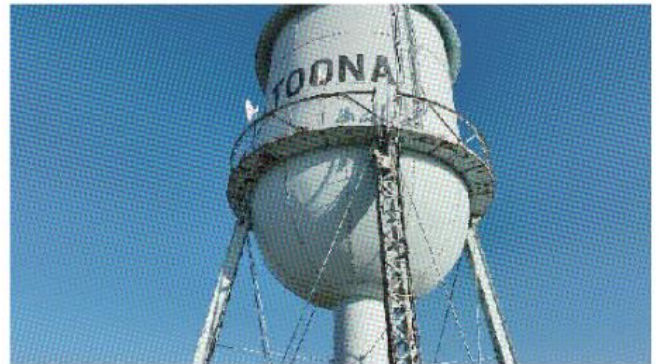
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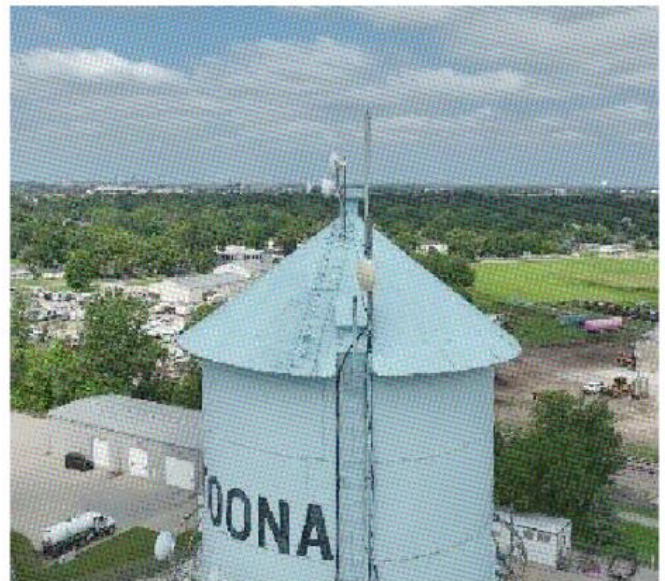
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Picture 18



Picture 19



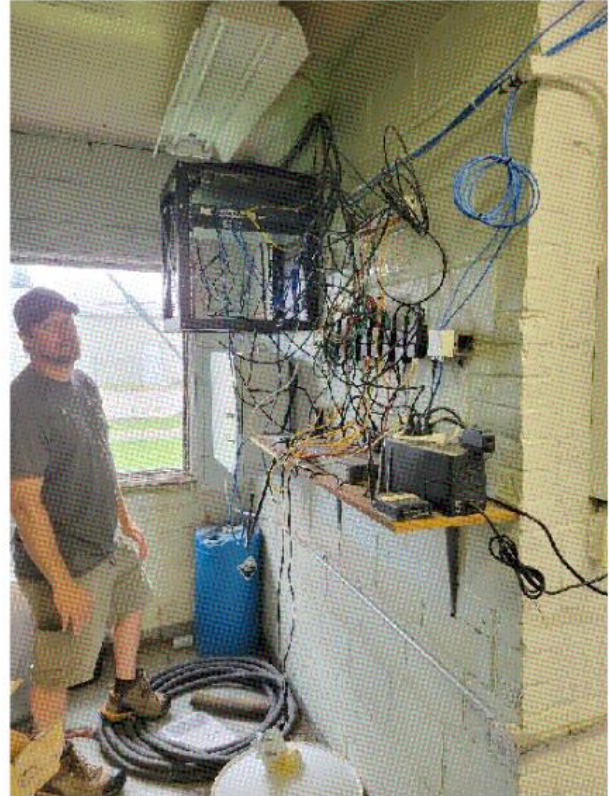
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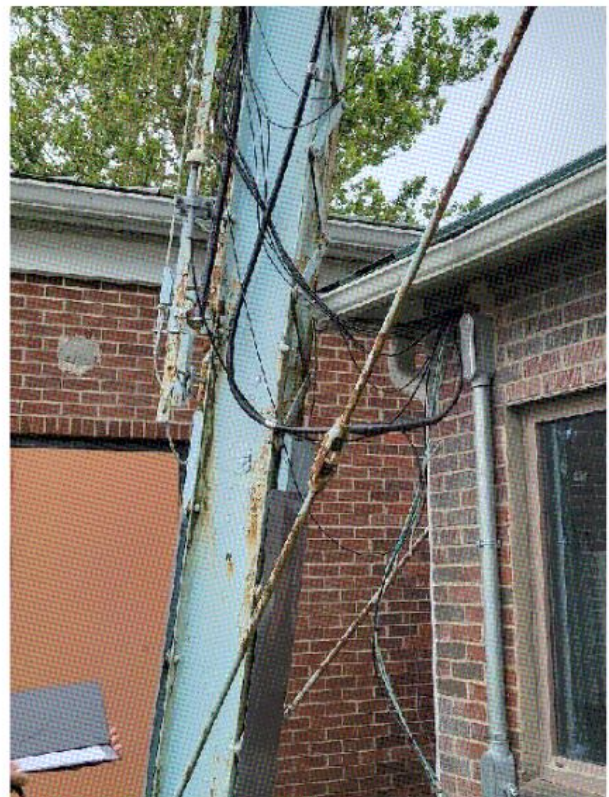
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Picture 22



Picture 23



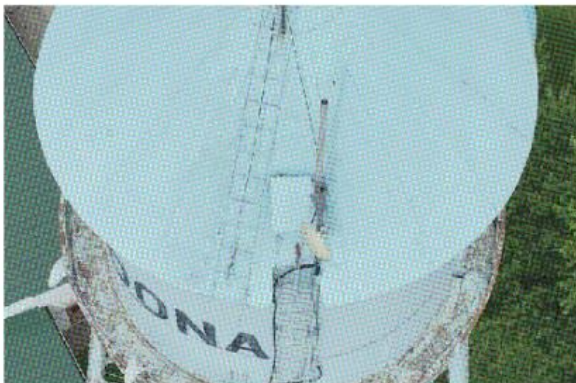
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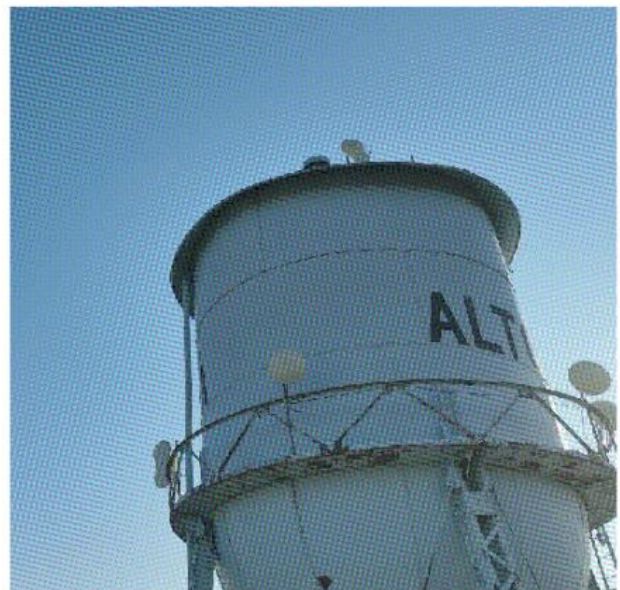
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Picture 27



Picture 28



Picture 29

Existing Photos
Altoona, IA – Old Town Water Tower Rehabilitation

MSA #09005010



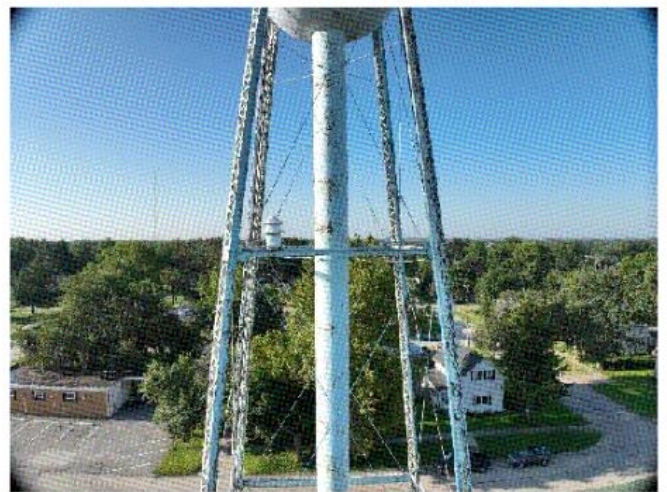
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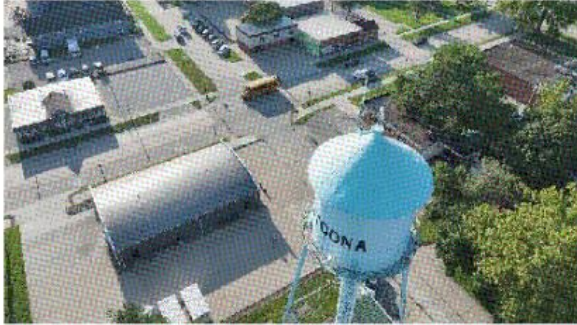
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Picture 33

Existing Photos
Altoona, IA – Old Town Water Tower Rehabilitation

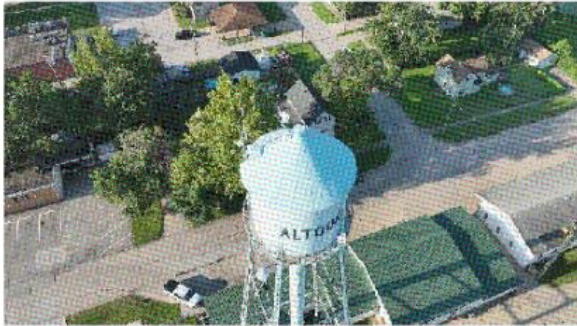
MSA #09005010



Picture 34



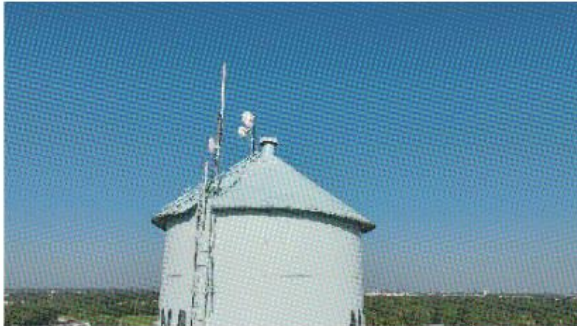
Picture 38



Picture 35



Picture 39



Picture 36



Picture 40



Picture 37



Picture 41

Existing Photos
Altoona, IA – Old Town Water Tower Rehabilitation

MSA #09005010



Picture 42



Picture 45



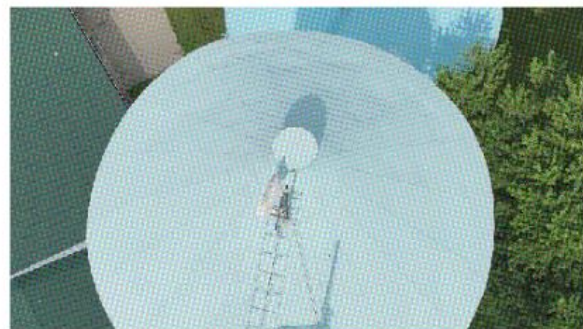
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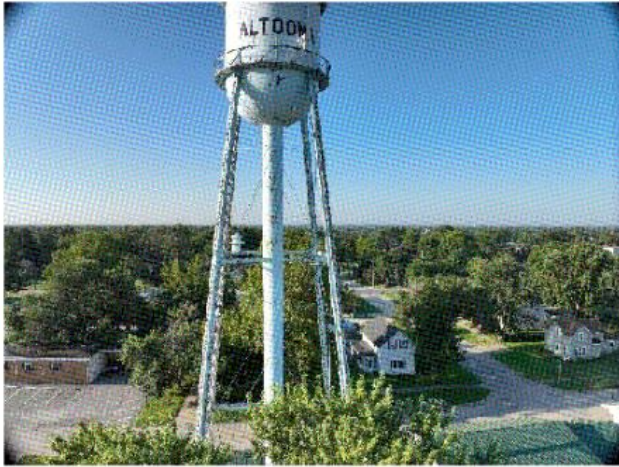
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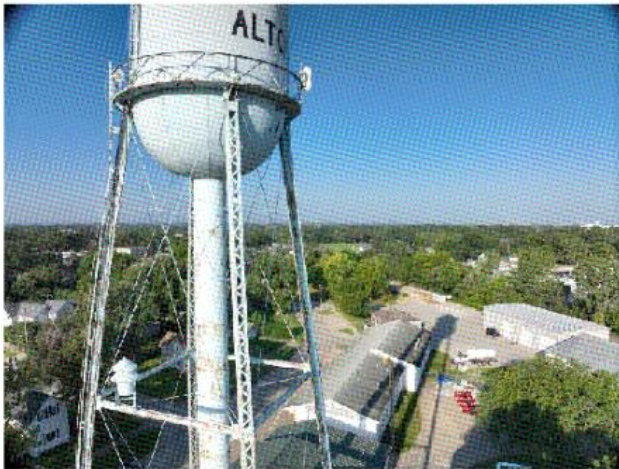
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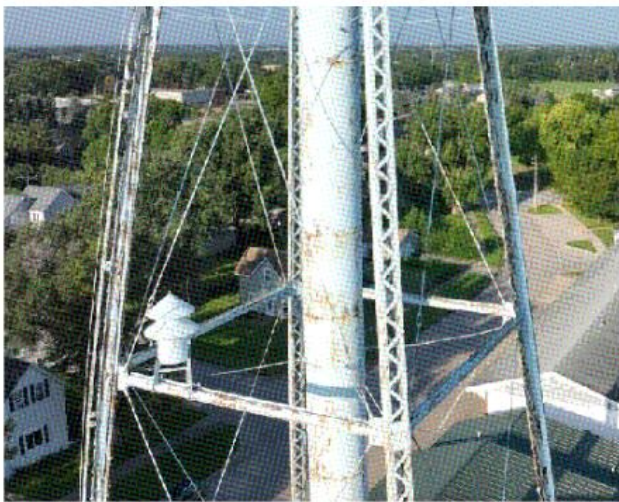
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Picture 48



Picture 49



Picture 50



Picture 51

Existing Photos
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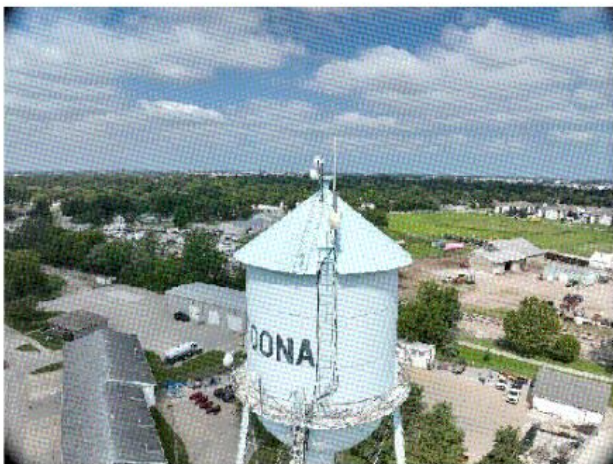
MSA #09005010



Picture 52



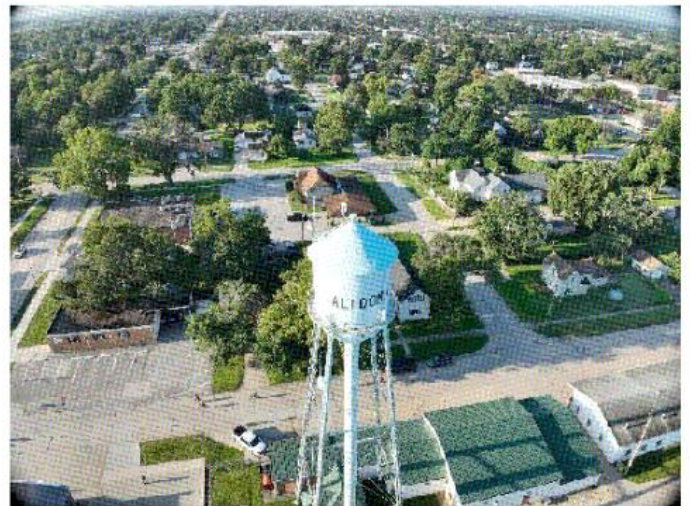
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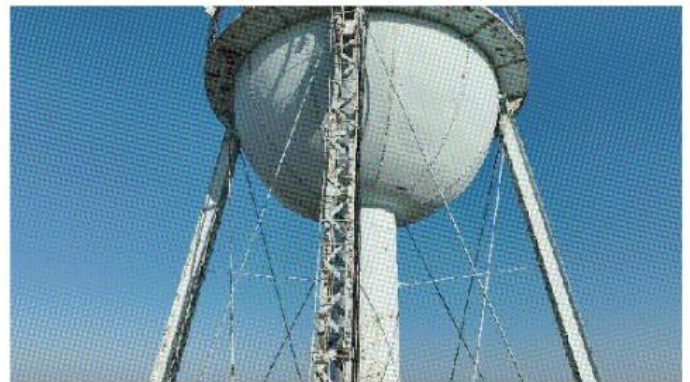
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Picture 55



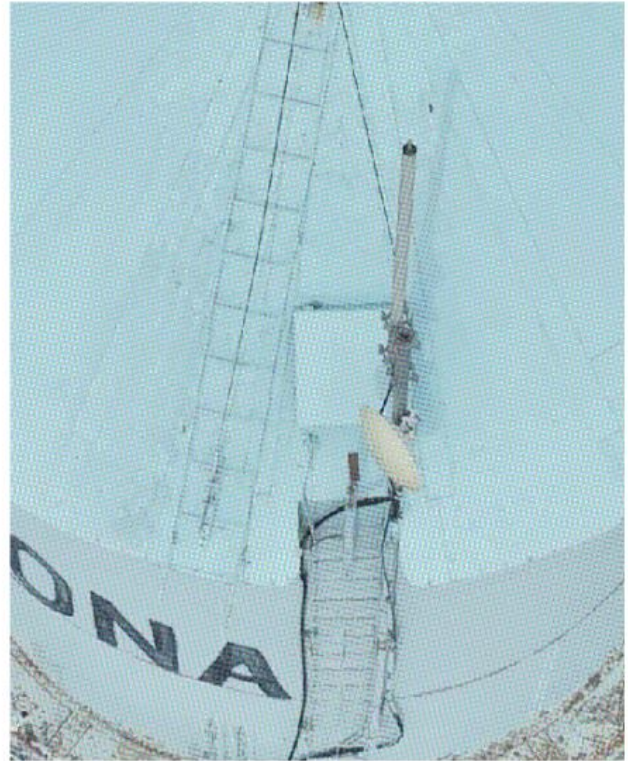
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Picture 57



Picture 58



Picture 60



Picture 59



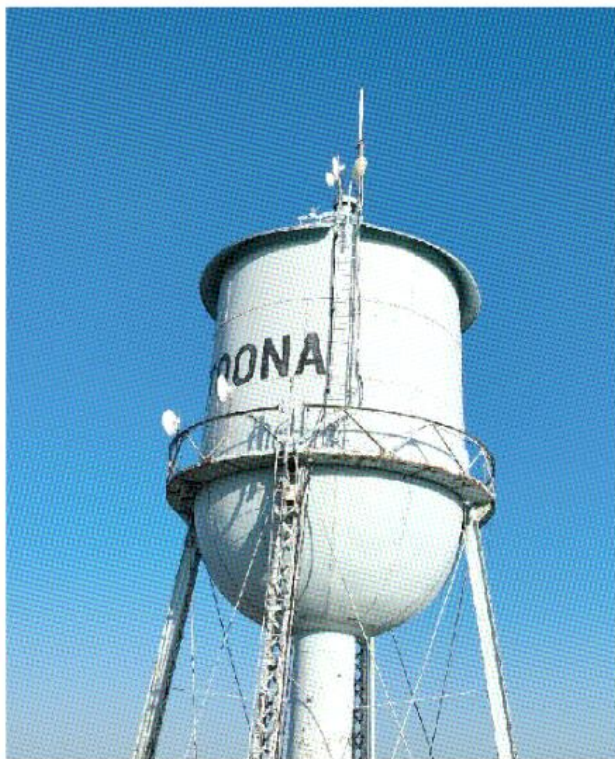
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Picture 62



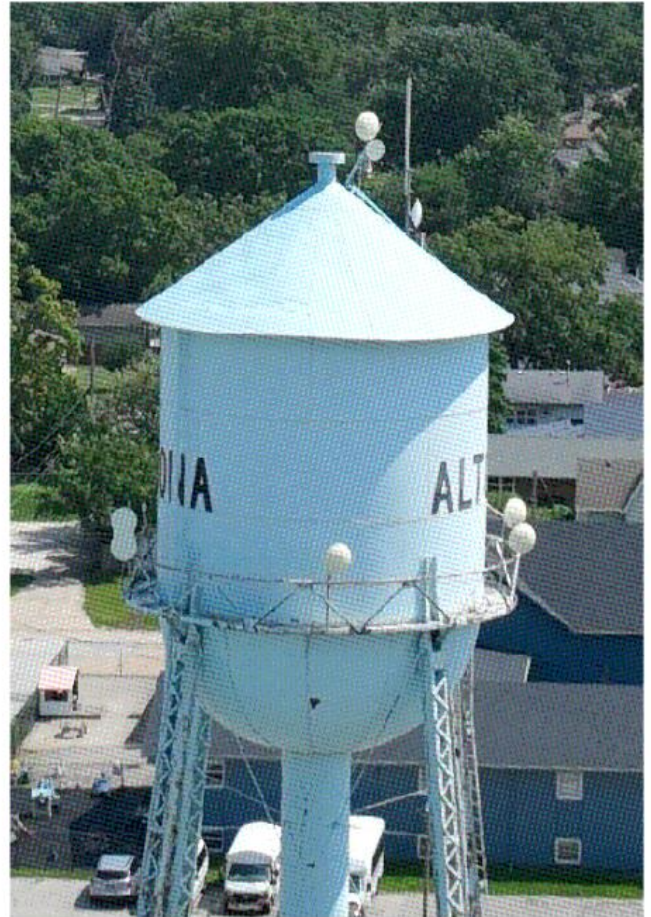
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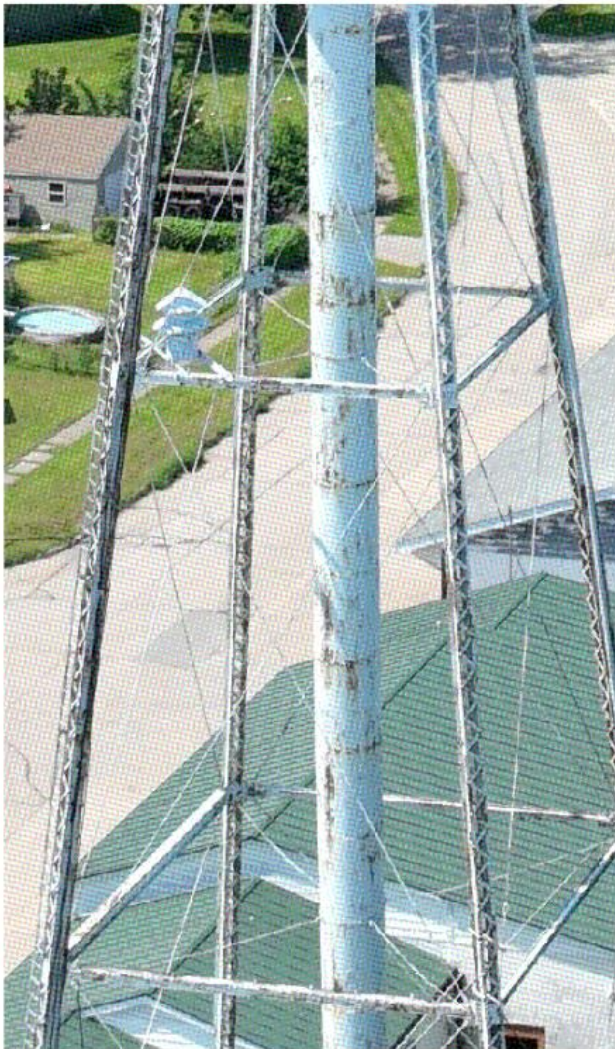
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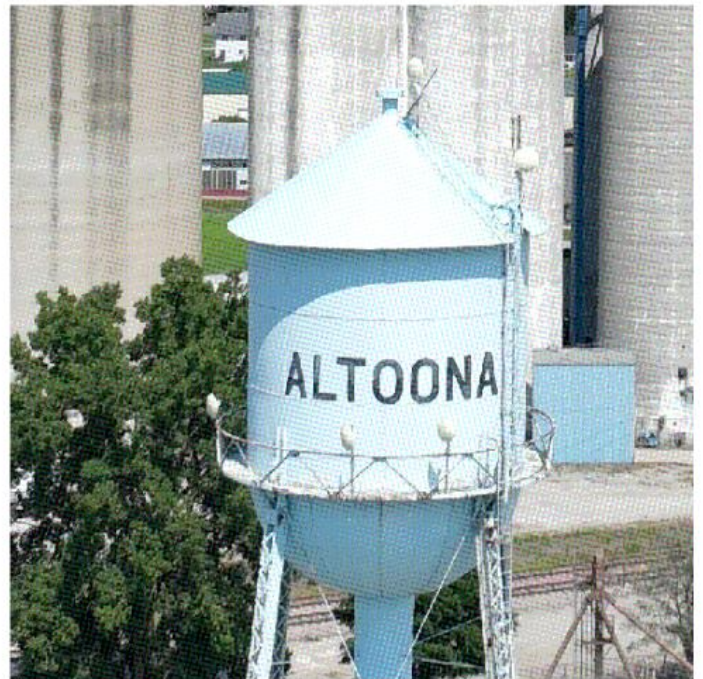
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Picture 67



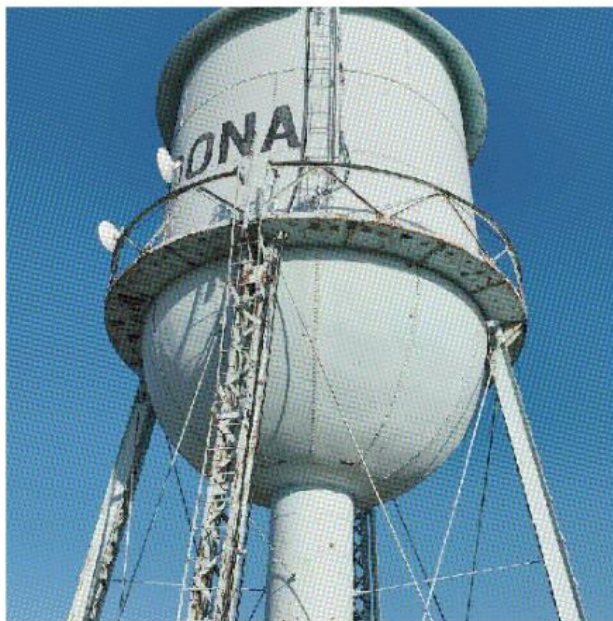
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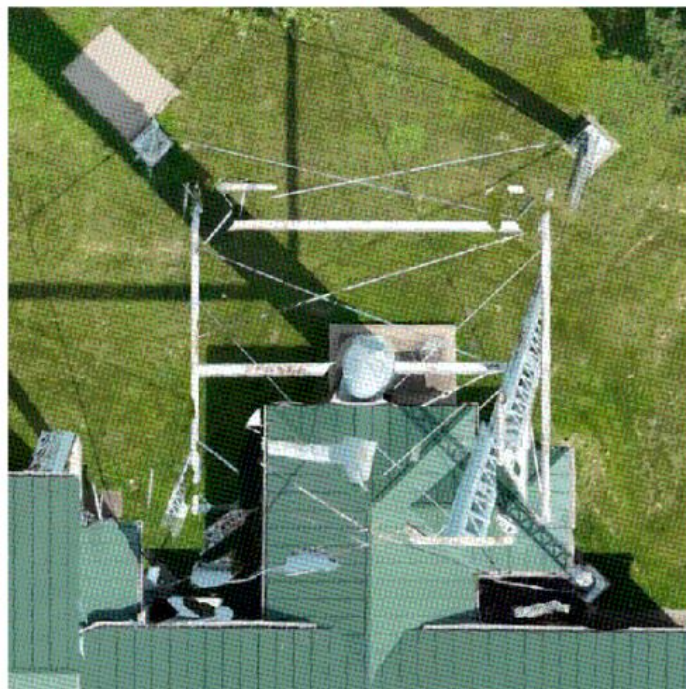
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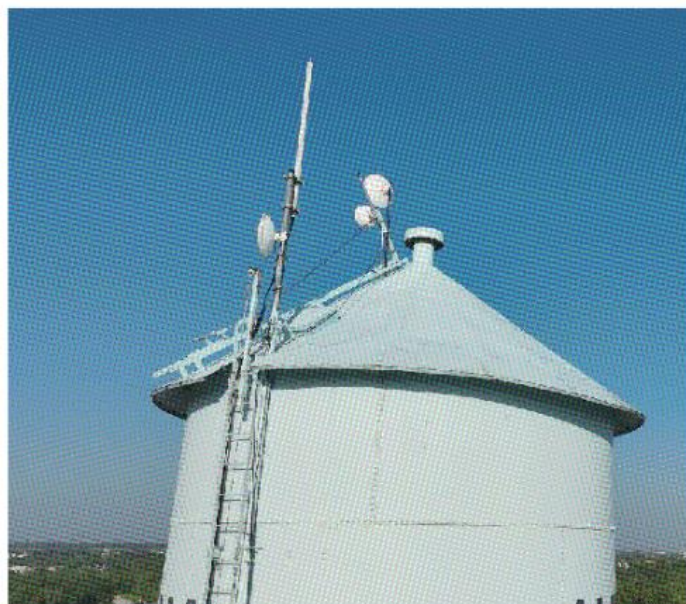
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Picture 70



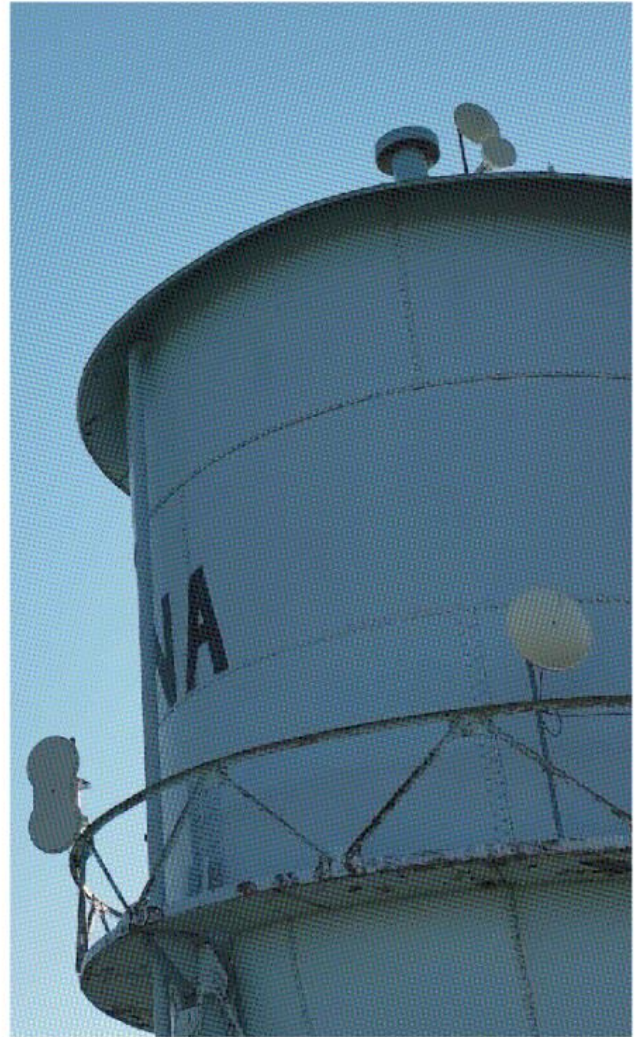
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Picture 72



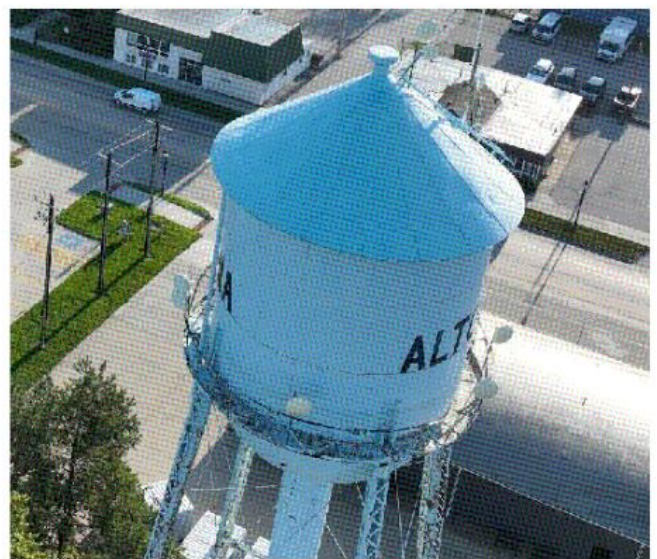
Picture 73



Picture 75



Picture 74



Picture 76

SECTION 33 16 19.01
ELEVATED WATER RESERVOIR REHABILITATION

PART 1 GENERAL

1.01 APPLICABLE PROVISIONS

- A. Applicable provisions of Supplemental Specifications shall govern work of this section.

1.02 APPLICABLE PUBLICATIONS AND STANDARDS

- A. The following publication listed below but referred to thereafter by basic designation only form a part of this specification to the extent indicated by the references thereto:
1. American Society for Testing and Materials (ASTM), Annual Book of ASTM Standards:
 - a. ASTM C591 - Specification for Unfaced Preformed Rigid Cellular Polyurethane Thermal Insulation, Current Edition.
 2. American Water Works Association Specifications and Standards:
 - a. AWWA D100 - Standard for Welded Steel Elevated Tanks, Standpipes, and Reservoirs for Water Storage, Current Edition.
 - b. AWWA D102 - Painting Steel Water Storage Tanks, Current Edition.
 - c. AWWA C652 - Disinfection of Water-Storage Facilities, Current Edition.
 3. Code of Federal Regulations (CFR), Title 29, Chapter XVII - Occupational Safety and Health Administration (OSHA), Department of Labor, Part 1926 Regulations, Current Edition.
 4. Steel Structures Painting Council Specifications and Standards:
 - a. SSPC Steel Structures Painting Manual, Volume 1, "Good Painting Practice"
 - b. SSPC Steel Structures Painting Manual, Volume 2, "Systems and Specifications"
 - c. SSPC-SP3 - Power Tool Cleaning
 - d. SSPC-SP6 - Commercial Blast Cleaning, Current Edition.
 - e. SSPC-SP10 - Near - White Blast Cleaning, Current Edition.
 5. NSF/ANSI/CAN 61: Drinking Water System Components - Health Effects
 6. Iowa Statewide Urban Design and Specifications (SUDAS)
- B. All work must comply with these standards.

1.03 DESCRIPTION OF WORK

- A. The work to be completed under these specifications includes furnishing all materials, equipment, tools, and labor necessary for the complete coating removal and recoating of all exterior surfaces of an existing 50,000 gallon old town multi-leg elevated steel water storage reservoir as specified herein. The work also includes ancillary modifications as specified herein.

1.04 EXPERIENCE

- A. Bids will be received only from experienced Contractors who have repainted at least five similar tanks of equal or greater capacity. All bids shall be accompanied with a list of previous projects, which documents the experience of the Contractor.

1.05 RELATED WORK ELSEWHERE

- A. Bidding Information (All Sections)

1.06 SHOP DRAWINGS

- A. Contractor shall submit such product literature and catalog cuts of materials to be supplied to relate these materials to the specifications. Information shall be in conformance with requirements of the Standard Specifications Section 1050: Control of Work.

- B. Contractor shall submit such shop drawings and details for the items listed below:
 - 1. Field Painting Exterior Surfaces – Blast Material and Coating System
 - 2. Containment System and Plan for Ventilation
 - 3. Modifications to Interior Access Hatch
 - 4. Replace Anti-Climbing Boards
 - 5. Replace Access Ladders
 - 6. Replace Safety Climb Cables

1.07 OPERATIONS/MAINTENANCE MANUALS AND INSTRUCTIONS

- A. The manuals shall include operating and maintenance literature for all components provided. The submitted literature shall be in sufficient detail to allow for the installation, operation, adjustment, calibration, maintenance and removal of each component provided.
- B. Preparation of this document shall be in accordance with the requirements stated in Standard Specifications. The Contractor shall submit to the Engineer for review an outline of any variations of information for the operation and maintenance manuals and other documentation he proposes to prepare.

PART 2 PRODUCTS AND MATERIALS

2.01 MATERIALS

- A. All tank metal shall conform to Section 2 of AWWA D100, current edition.

2.02 GENERAL INFORMATION

- A. Information for the existing reservoir and site conditions is as follows:
 - 1. Capacity - 50,000 gallons
 - 2. Height - 120 feet to catwalk
 - 3. Tank Type – Elevated multileg steel reservoir
 - 4. Access to Site – 101 3rd Street SE, Altoona, IA 50009
 - 5. Electric Power - Existing on site.
 - 6. Water Supply - Existing on site.
 - 7. Overflow – 6 inch Steel pipe
 - 8. Refer to the following documents in Section 00 31 32-Available Project Information
 - a. Veenstra & Kimm Water Tower Inspection Report (2021)
 - b. Existing Photo Log (2026)
- B. A summary of the proposed improvements is noted in the following:
 - 1. Bidding Information – Notice to Bidders and Notice of Public Hearing

2.03 COATINGS MANUFACTURER

- A. The products listed are intended to establish a basis for comparison of products of other manufacturers. Substitutions will be permitted but only with the prior written approval of the Engineer.
- B. All materials specified herein, and pre-approved for use on this project are manufactured by Tnemec Company, Inc.
 - 1. Other paint system manufacturers that would be considered include Sherwin Williams Paint systems shall meet the warranty, life expectancy and product features as the equivalent product listed in this specification.

2.04 FIELD PAINTING EXTERIOR SURFACES – FULL REMOVAL AND RECOATING

- A. Surface Preparation:
 - 1. All exterior surfaces shall be abrasive blast cleaned to a Commercial Finish in accordance with the recommended methods outlined in the Society of Protective Coating's Specification SSPC SP-6/NACE No 3. A minimum angular blast profile of 2.0 mils is required.

2. Remove all oil, grease and foreign matter from the entire surface. Weld slag, weld spatter, rough edges and sharp edges of weld seams shall be ground smooth.
- B. First Coat (Field Prime): Immediately after blasting and before any rusting occurs (within 12 hours maximum), apply one coat of Tnemec Series 93-H₂O Hydro-Zinc to all bare steel surfaces. This coating shall be applied to a dry film thickness of 2.5 - 3.5 mils.
- C. First Intermediate Coat: Apply one complete coat of Tnemec Series N69 Hi-Build Epoxoline II at a dry film thickness of 2.0 - 3.0 mils.
- D. Second Intermediate Coat: Apply one complete coat of Tnemec Series 73 Endura-Shield at a dry film thickness of 2.0 - 3.0 mils.
- E. Fourth Finish Coat: Apply one complete coat of Tnemec Series 700 HydroFlon at a dry film thickness of 2.0 - 3.0 mils.
- F. Logo/Lettering: Apply two complete coats of Tnemec Series 700 HydroFlon at a dry film thickness of 2.0 - 3.0 mils per coat.

2.05 COLOR SELECTION

- A. Color: The exterior colors of the tank shall be selected by the Owner from the manufacturers standard color palette for the specified series.
 1. Color to match existing color.

2.06 EXTERIOR TANK LETTERING

- A. Lettering: Two coats of Tnemec Series 700 HydroFlon shall be used for the lettering. The Series 700 HydroFlon shall be applied at a dry film thickness of 2.0 – 3.0 mils per coat.
- B. "ALTOONA" shall be painted on the spheroid on two sides. Lettering height shall match height of the existing lettering. Font shall match existing font.
- C. Contractor shall submit final detailed drawings of the lettering system prior to producing field stencils for Owner/Engineer approval.

2.07 CONTAINMENT SYSTEM

- A. Install a full containment system to contain existing heavy metal-based primer coatings, blast materials, and air born paint. Containment system shall include roof bonnet, ground cover and dust collection.
- B. The use of an admixture to the selective abrasive is required to provide satisfactory toxicity testing. All work shall conform to state and federal regulations.
- C. Contractor shall provide a containment plan prior to commencement of work detailing full containment system and method of removing and disposing of heavy metal-based coatings.
- D. Containment plan must be in conformance with Iowa Administrative Code.

2.08 MISCELLANEOUS WELDING AND GRINDING

- A. This item includes: Removal of any surface discontinuities such as erection marks, weld splatter, and sharp fins and/or seal welding of existing gaps.
- B. This item assumes 80-man hours using power tools or a welder. Incidental hours for set-up, rigging, blasting are not included. Hours for a ground man are also not included in the measurement for payment of this item.

- C. For any item listed on the Bid Form, necessary welding and grinding shall be inclusive to that specific item. This "miscellaneous welding and grinding" item is intended to be a contingency to address any surface discontinuities beyond the items listed on the Bid Form that will prohibit a complete and lasting coating application.
- D. Payment shall only be as approved by the Inspector. Hours shall be verified at the end of each working day, or no payment will be made to the Contractor.

2.09 REMOVE OVERFLOW PIPE

- A. Remove the existing overflow pipe, including all supports, brackets, fasteners, and associated appurtenances, as indicated on the Drawings.
- B. Following removal of the overflow pipe, permanently seal the resulting opening in the tank shell with a steel patch plate.
- C. Patch plate material shall conform to ASTM A36 and shall be of a thickness equal to or greater than the existing tank shell thickness.
- D. Patch plate shall be formed to match the curvature of the existing tank shell.
- E. Patch plate dimensions shall extend a minimum of 2 inches beyond the perimeter of the opening in all directions.
- F. Grind welds smooth where required to facilitate coating application and provide a neat finished appearance.
- G. Perform all work necessary to restore the structural integrity and watertightness of the tank shell.
- H. Abrasive blast and recoat repaired areas on exterior surfaces in accordance with the coating specifications.
- I. Contractor shall verify all field dimensions and existing shell thicknesses prior to fabrication of the patch plate.

2.10 REMOVE AND REPLACE ANTICLIMBING BOARDS

- A. Contractor shall remove and replace anticlimbing boards located on all lattice legs of tower. Anticlimbing boards shall be constructed of composite material and be of same dimensions as existing.
- B. Sizes and dimensions shall be verified by the Contractor prior to installation.

2.11 REMOVE AND REPLACE ACCESS LADDERS

- A. Contractor shall remove and replace ladders conforming to all OSHA regulations. Replacement will be bid according to unit linear foot. Replacement of ladders will be determined by inspection after blasting is performed on the ladders. The following ladders are subject to possible replacement.
 - 1. Southeast leg ladder from ground to catwalk.
 - 2. Side shell ladder from catwalk to roof. Replacement access ladder shall be installed with an additional two (2) rungs at the top of the ladder to allow for easier maintenance access.
 - 3. Roof ladder from roof edge to vent.
- B. Sizes and dimensions to be verified by the Contractor prior to installation.

2.12 REMOVE AND REPLACE SAFETY CLIMB CABLES

- A. Contractor shall remove existing systems and replace with cable style systems. Supply fall protection cable systems conforming to all OSHA regulations on the following ladders.
 - 1. Southeast leg ladder from ground to catwalk.
 - 2. Side shell ladder from catwalk to roof.
 - 3. Roof ladder from roof edge to vent.

- B. Contractor shall supply one (1) step-in style full body harness with front and back D-ring attachments. Size to be determined by Owner.
 - 1. Manufacturer shall be DBI/SALA ExoFit Cross Over Harness or equal, as approved by Engineer.
 - 2. Supply one (1) shock absorbing double lanyard with rebar hook designed to limit fall forces up to 900 pounds. Maximum length of each lanyard shall be 6 feet. Lanyards shall be equipped with self-locking snap hooks at each of the three ends.

2.13 MODIFICATIONS TO INTERIOR ACCESS HATCH

- A. Contractor shall replace interior access hatch hinges on the roof hatch. Replace lid if necessary to fit existing neck.

2.14 APPURTENANCES MODIFICATIONS

- A. The existing water meter reading antenna of the city is to remain. See plan for identification and location.
- B. Existing white dishes along handrail of tower are to be removed and disposed of during the project. See plan for identification and location.
- C. Existing two white antennas located together at top of tower are to be removed. Antennas and all components associated with the antennas are to be delivered to Owner. See plan for identification and location.
- D. Existing warning siren on leg of tower is to be removed and salvaged to Owner. See plan for identification and location.

PART 3 EXECUTION

3.01 VERIFY EXISTING DIMENSIONS

- A. When replacing and/or connecting to existing features, Contractor shall verify all dimensions prior to submitting shop drawings.

3.02 SHOP FABRICATION, FIELD ERECTION AND WELDING

- A. All shop fabrication, field erection and welding shall conform to Sections 8, 9 and 10 of AWWA D100.
- B. All welders shall be qualified by ASME Section IX requirements for all positions.
- C. Periodic testing of all welders shall be conducted by the Contractor and shall conform to Section 8.2.2 of AWWA D100. Records of such tests shall be accessible to the Engineer upon request.
- D. NO WELDING OVER COATED STEEL SURFACES IS PERMISSIBLE.

3.03 PAINTING OF ELEVATED TANK

- A. The surface to be painted shall be a minimum overnight temperature of 45°F degrees and rising and a maximum 120°F. The surface shall be dry and at least 5°F above the dew point. Paint shall not be applied when the humidity exceeds 85 percent. Do not prepare surfaces or apply coatings in rain, snow, fog or mist.
- B. No surface preparation or coating application work shall be done under unfavorable weather conditions, shall be within the specifications as stated in Section E.3, and then only with the specific acceptance of the Owner's representative.
- C. The Owner and Engineer intends to monitor air temperature, steel temperature, dew point and humidity to ensure Contractor's compliance with the listed conditions.

- D. The Contractor shall record wind direction, wind speed, dew point, relative humidity, air temperature, and surface temperatures upon commencement of the project and for duration of the project a minimum of three (3) times per day. The daily log shall be submitted at the weekly progress meetings to the Engineer or Engineer's representative for comparison with the Owner's data and verification of compliance.
- E. See SUDAS Standard Specifications for specifications on weather days, delays, and allowable time extensions.

3.04 WEATHER PAINTING CONDITIONS

- A. The surface to be painted shall be a minimum of 40°F and rising and a maximum 120°F. The surface shall be dry and at least 5°F above the dew point. Paint shall not be applied when the humidity exceeds 85 percent. Do not prepare surfaces or apply coatings in rain, snow, fog or mist.

3.05 VENTILATION AND SAFETY REQUIREMENTS

- A. The Contractor shall maintain adequate and continuous explosion-proof ventilation during all surface preparation, coating operations and recoat and curing periods. This ventilation shall be of the suction type and shall be of sufficient capacity to maintain throughout the tank interior a clear atmosphere that is well below explosive and toxic limits.
- B. Ventilation fans used at roof manways and vent openings shall have a minimum free air capacity of 6200 CFM.
- C. Arrange the ventilation system, including all fans and temporary ductwork, so that fresh air is drawn into the tank at the bottom and is exhausted at the top with an upward air movement pattern within the tank that permits no still air spaces to exist in any area. Give particular attention to floor level or lower spaces and pocket areas where heavier-than-air solvents and particulate matter are likely to accumulate. Said ventilation shall be sufficient for the removal of dust, coating fumes or other volatile gases and moisture to such an extent as to prevent any undesirable accumulation of any thereof to the hazard of the workmen or the work.
- D. All electrical equipment, tools, and ventilation fans shall be explosion-proof and/or non-sparking and shall be maintained in good working order. Spray equipment shall be as recommended by, or acceptable to the coatings manufacturer, and shall be thoroughly cleaned before and after use with the appropriate cleaning solvents.
- E. Provide adequate explosion-proof lighting during all surface preparation and coating operations. This lighting shall be sufficient to illuminate clearly the working area without shadows and is required.
- F. In the event heating devices are used, they shall be explosion-proof and of the type that do not exhaust sooty or oily residues or any other contaminants into the tank. Only indirect heat-heating units can be used, which will not cause the products of combustion to condense.
- G. Prior to use, store all coating materials in a secure area which shall provide protection from weather and temperature, below 60°F. The area shall be maintained in a safe, neat, and clean manner and free from fire, explosion or other hazards.
- H. All work shall be performed in a safe and orderly manner, all in compliance with the standards as prescribed by OSHA. The Contractor will be required to comply with the applicable sections of OSHA Regulations 29CFR 1910.120, and 29CFR 1926.21, 1926.352 and 1926.353 for Confined Space Entry. The Contractor will be required to comply with OSHA Regulations 29CFR 1926.62 Lead. Management and supervisory personnel shall be responsible for employee training and compliance with this policy.

3.06 INSPECTION OF WORK

- A. The Contractor shall stop abrasive blast cleaning in sufficient time to remove all dust, spent abrasive and other foreign matter from and around all blasted surfaces (including rigging and equipment) and to allow the atmosphere to clear before any inspections or coating is applied.
- B. The Owner's personnel and the Engineer and their inspectors shall at all times have access to the work, and the Contractor shall provide proper facilities for such access and inspection. The Contractor shall provide equipment and rigging that is safe and in compliance with OSHA regulations.

- C. The Engineer and Owner reserves the right to observe/document the work at any time for compliance with all requirements of the specifications. Documentation may include photographing, and/or audio/video recordings.
- D. The Engineer reserves the right to accept each phase of the work before further work may be done, to halt all work deemed to be improper or not in compliance with the specifications, and to require the Contractor to promptly correct all improper practices or deficient work.
- E. Inspections will include wet and/or dry film thickness gauging, visual surface inspection by the naked eye and/or a suitable magnifying instrument to detect runs, sags, drips, cracks or other defects in the coating system and including low voltage holiday testing.
- F. Inspections will also include any other examination of the prepared surfaces or coating system, deemed necessary by the Engineer, including random destructive film thickness and coating adhesion checks. It is the Contractor's responsibility to repair all areas where destructive testing has been completed at no cost to the Owner and the Engineer.
- G. Dry film thickness (D.F.T.) readings of the coating are taken to provide reasonable assurance that the specified minimum D.F.T. has been achieved. A minimum of five separate spot measurements shall be made over every 100 square feet in area. Each spot measurement shall consist of an average of three gage readings next to each other no further than six inches apart. Each spot measurement must be within the specified minimum thickness. The single gage readings, however, making up the spot measurement are permitted to be no less than 80 percent of the specified minimum thickness.
- H. The Contractor shall provide all necessary inspection equipment (at the discretion of the Engineer), labor, rigging, lighting and other equipment to facilitate this inspection at no cost to the Owner and the Engineer.

3.07 CONTAINMENT PLAN

- A. Submittal of the full containment plan outlining all the details, equipment, containment screens, containment top cover, impervious ground covers, negative air dust removal equipment, containment structure, installation drawings (ground anchors, lifting and lowering system, etc.), other equipment, wind loading calculation, containment support calculations, and/or other pertinent information. The Owner and the Engineer will review the plan, but the responsibility for its implementation and any damages that arise from the containment system will fall on the Contractor.

3.08 ANTENNA COORDINATION

- A. The City's water meter reading antenna is present on roof of tower. The antenna must remain operational at all times during the project.

3.09 PROTECTION AND ACCESS REQUIREMENTS

- A. Existing appurtenance and associated conduit, cabling, wiring, supports, and connections may not provide a clear climbing path. The Contractor shall arrange, relocate, or modify appurtenances included in the work as necessary to provide safe and practical access to obstruction lighting and other equipment requiring routine maintenance. Completed installations shall not create climbing obstructions, pinch points, or other conditions that impede access.
- B. Contractor shall maintain safe, continuous access to the water treatment facility for Owner personnel, operations staff, and maintenance personnel throughout the duration of the work.
- C. Construction activities, material storage, containment systems, equipment, and temporary structures shall not obstruct entrances, exits, walkways, driveways, or access routes serving the facility except as approved by the Owner. Any temporary access restrictions shall be coordinated with the Owner in advance and shall be limited to the minimum duration necessary to perform the work.

- D. Contractor shall prevent abrasive blast material, paint overspray, wash water, debris, and other contaminants from entering or accumulating on the water treatment facility, its equipment, ventilation systems, and access points. Provide temporary coverings, barriers, or other protection measures as necessary to maintain normal facility operations.

3.10 GUARANTEE

- A. The Contractor shall be responsible for the protection of the structure in all respects and conditions prior to the date of acceptance of his work. The Contractor shall guarantee all workmanship, materials, and equipment for a period of two years from the date of acceptance of his work, to the extent that he will repair any defects, of which he is notified during that period, which may appear because of faulty design, workmanship, or material furnished under the specification.
- B. Approximately 23 months after the completion of the work, the CONTRACTOR and OWNER and or OWNER'S authorized representative shall inspect the inside and outside surfaces of the tank, in accordance with Section 5.2 of AWWA Standard D102 to determine whether any repair work is necessary.

PART 4 MEASUREMENT AND PAYMENT

4.01 GENERAL

- A. Elevated water reservoir rehabilitation and modifications shall be paid for at the bid price in accordance with the Bid Schedule.

4.02 ELEVATED WATER RESERVOIR

- A. Elevated Water Reservoir Rehabilitation, Unit Prices. Payment for elevated water reservoir rehabilitation and modifications shall be made at the corresponding unit price bids.

END OF SECTION



SUPPLEMENTAL SPECIFICATIONS FOR CODE OF CONDUCT

Effective Date February 1, 2023

THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS, 2023 EDITION, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SUPPLEMENTAL SPECIFICATIONS AND THEY PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

SECTION 1050 – CONTROL OF WORK

1.02 AUTHORITY AND DUTIES OF THE ENGINEER'S AUTHORIZED REPRESENTATIVE

E. (ADD) Character of Workers:

1. The Jurisdiction may suspend the work in writing, withhold progress payments due the Contractor, or both as recommended by the Engineer for the following reasons:
 - a. The Contractor does not furnish suitable and sufficient personnel to perform the work.
 - b. The Contractor does not remove personnel from the project as specified in Section 1080, Part 1.10D.

F. (ADD) Conduct Expectations:

1. Engineer understands their obligations to provide a safe, respectful work environment for their employees, for the Owner's employees, for the Contractor's employees and the general public. The Engineer agrees that harassment on the job (unwelcome verbal, physical or other behavior that is related to sex, race, age or protected class status) will not be tolerated and will be addressed timely and in compliance with anti-harassment laws.

1.16 (ADD) OWNER RESPONSIBILITIES

A. Conduct Expectations:

1. Owner understands their obligations to provide a safe, respectful work environment for their employees, for the Contractor's employees, for the Engineer's employees and the general public. The Owner agrees that harassment on the job (unwelcome verbal, physical or other behavior that is related to sex, race, age or protected class status) will not be tolerated and will be addressed timely and in compliance with anti-harassment laws.

SECTION 1080 – PROSECUTION AND PROGRESS

1.10 CONTRACTOR'S EMPLOYEES, METHODS, AND EQUIPMENT

B. Workers:

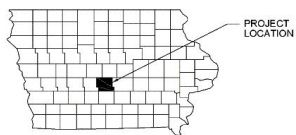
1. (ADD) Character of Workers

- a. Provide personnel necessary to supervise and complete all contract work as specified. Ensure workers have the experience and skills necessary to perform assigned work.
- b. Remove from the project all personnel performing in an unskilled manner, who are noncompliant with Conduct expectations (Section 1080, Part 1.10D), or who are intemperate or disorderly. If the Engineer concludes that personnel are performing in an unskilled manner or are intemperate or disorderly, the Engineer may direct the Contractor, in writing, to remove them from the project. Do not allow removed personnel to return to the project without the Engineer's written consent.

D. (ADD) Conduct Expectations:

1. Contractor understands their obligations to provide a safe, respectful work environment for their employees, for the Owner's employees, for the Engineer's employees and the general public. The Contractor agrees that harassment on the job (unwelcome verbal, physical or other behavior that is related to sex, race, age or protected class status) will not be tolerated and will be addressed timely and in compliance with anti-harassment laws.

PROJECT LOCATION

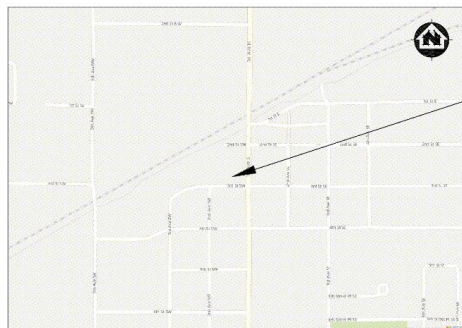


SHEET NO.	SHEET TITLE
G001	TITLE SHEET
C101	SITE PLAN
T101	TOWER COATING PLAN
T501	TOWER DETAILS

PUBLIC WORKS:
(WATER/STREET/STORM)

DAN SCOTT
PUBLIC UTILITIES DIRECTOR
900 VENBURY DR
ALTOONA, IA 50009
DSCOTT@ALTOONA-IOWA.COM
(515)967-5136

JEFF HAND
UTILITIES SUPERVISOR
900 VENBURY DR
ALTOONA, IA 50009
JHAND@ALTOONA-IOWA.COM
(515)967-4464



LOCATION MAP



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME
OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF
IOWA.

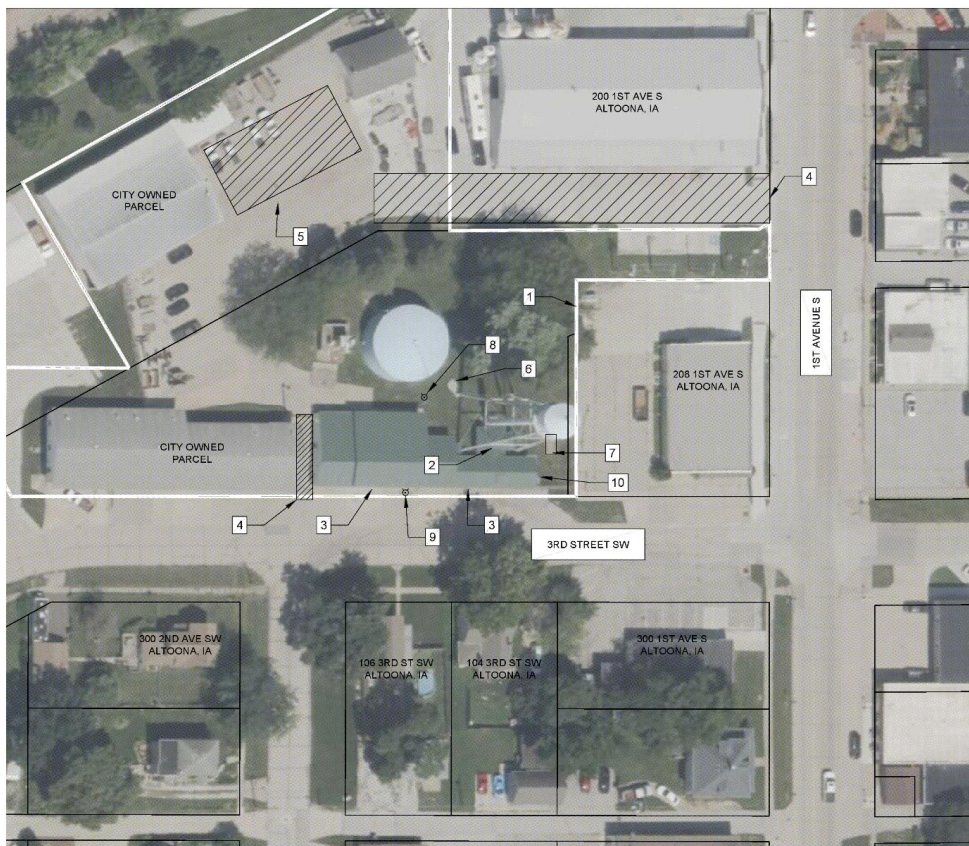
Sarah Foslinder OCTOBER 8, 2026
SIGNATURE DATE

NAME _____

LICENSE NUMBER: 20655

PAGES OR SHEETS COVERED BY THIS SEAL: PAGES 1-4

PROJECT DATE: OCTOBER 6, 2024		DESIGNED BY: DCH	NO. DATE	REVISION	BY	ENGINEERING ARCHITECTURE SURVEYING SURVEYING PLANNING ENVIRONMENTAL 1555 SE Oakdale Ave., Ankeny IA 50011 (319) 964-1212 www.msa-gs.com		OLD TOWN WATER TOWER REHABILITATION CITY OF ALTOONA POLK COUNTY, IOWA		PROJECT NO. 0005010	
DRAWN BY: DCH		DESIGNED BY: DCH	NO. DATE	REVISION	BY	ENGINEERING ARCHITECTURE SURVEYING SURVEYING PLANNING ENVIRONMENTAL 1555 SE Oakdale Ave., Ankeny IA 50011 (319) 964-1212 www.msa-gs.com		OLD TOWN WATER TOWER REHABILITATION CITY OF ALTOONA POLK COUNTY, IOWA		PROJECT NO. 0005010	
CHECKED BY: SP		DESIGNED BY: DCH	NO. DATE	REVISION	BY	ENGINEERING ARCHITECTURE SURVEYING SURVEYING PLANNING ENVIRONMENTAL 1555 SE Oakdale Ave., Ankeny IA 50011 (319) 964-1212 www.msa-gs.com		OLD TOWN WATER TOWER REHABILITATION CITY OF ALTOONA POLK COUNTY, IOWA		PROJECT NO. 0005010	



SITE PLAN



		NO.	DATE	REVISION
PROJECT DATE: OCTOBER 8, 2026	DRAWN BY: DGH	---	---	---
	DESIGNED BY: BJS	---	---	---
	CHECKED BY: SP	---	---	---

PLOT DATE: 10/07/2025 1:03 PM G:\SR05050000\010\CA2400C\04water Tower Site Plan.dwg



ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
2555 SE Delaware Ave., Ankeny IA 50021
(515) 964-1920 www.msa-ps.com
MSA Professional Services, Inc.

OLD TOWN WATER TOWER REHABILITATION
CITY OF ALTOONA
POLK COUNTY, IOWA

SITE PLAN

PROJECT NO.	09005010
DISTRICT	C-101

GENERAL NOTES

- A. TANK GENERAL INFORMATION
B. CAPACITY: 50,000 GALLONS
C. HEIGHT: 120' AGL TO CATWALK

KEY NOTES:

1. CONTAINMENT REQUIRED WITHIN CITY OWNED PARCELS BOUNDARY.
2. BUILDING TO BE CONTAINED ON EXTERIOR PRIOR TO LEAD ABATEMENT.
3. BUILDINGS ACCESS - MUST BE ACCESSIBLE AT ALL TIMES.
4. ACCESS TO SITE.
5. CONTRACTOR STAGING AREA.
6. EXISTING OVERFLOW PIPE AND SPLASH PAD.
7. EXISTING ELECTRICAL BOX.
8. EXISTING HYDRANT - DO NOT USE. MAINTAIN IN SERVICE.
9. EXISTING HYDRANT - AVAILABLE FOR CONTRACTOR USE.
10. EXISTING ELECTRICAL - AVAILABLE FOR CONTRACTOR USE.

BID ITEM QUANTITIES:

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS
BASE BID			
1	Mobilization	1	L.S.
2	Field Preparation Exterior Surfaces - Full Removal and Recoating	1	L.S.
3	Containment System	1	L.S.
4	Miscellaneous Welding and Grinding	80	Hours
5	Exterior Tank Labeling "ALTOONA"	2	Ea.
6	Remove and Dispose of White Dish Antennas	1	L.S.
7	Remove and Salvage Warning Siren	1	L.S.
8	Remove Overflow Pipes	1	L.S.
9	Modifications to Interior Access Hatch	1	L.S.
10	Replace Anti-Climbing Boards	1	L.S.
11	Replace Access Ladders	160	L.F.
12	Replace Safety Cable Climbs	1	L.S.

NOTE: THE QUANTITIES SHOWN ARE APPROXIMATE AND ARE PROVIDED FOR CONTRACTOR INFORMATION ONLY. REFER TO THE BID FORM AND SPECIFICATIONS FOR BIDDING REQUIREMENTS.

B. SEE SPECIFICATION SECTION 33.16.01 ELEVATED WATER RESERVOIR REMEDIATION.

C. BASE COAT COATING INCLUDES SERIES OF TEST FOR THE PROPOSED TANK. THE CONTRACTOR SHALL COORDINATE BEARING AND ORIENTATION WITH OWNER PRIOR TO CONSTRUCTION. TEXT SHALL READ "ALTOONA" TEXT SHALL BE ON BOTH SIDES OF TOWER AND MATCH EXISTING TANK MANUFACTURER SHALL INCLUDE TWO (2) SETS OF "ALTOONA" IN THEIR BID.

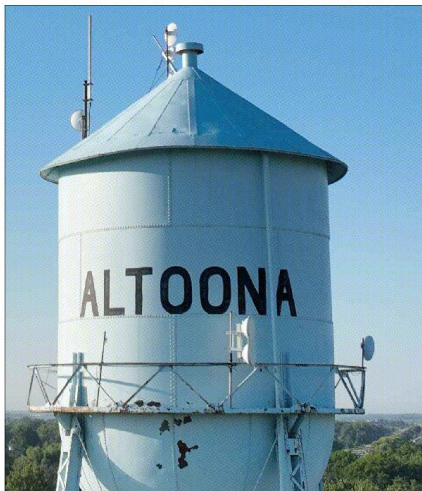
D. CONTRACTOR SHALL SUBMIT FINAL DESIGN DRAWINGS DURING SHOP DRAWING REVIEW PERIOD.

E. CONTRACTOR SHALL SUBMIT FINAL DETAIL DRAWINGS AND RENDERINGS OF THE LETTERING AND PATTERN DESIGN PRIOR TO PRODUCING FIELD STENCILS FOR OWNERS/ENGINEER APPROVAL. INCLUDE COLOR SCHEME AND LETTERING/LOGO SIZING INFORMATION.

F. FINISH COAT SHALL BE A MINIMUM OF THREE (3) SHADES LIGHTER THAN THE FINISH COAT COLOR FOR ADEQUATE CONTRAST TO HELP FACILITATE COMPLETE AND UNIFORM COAT COVERAGE.

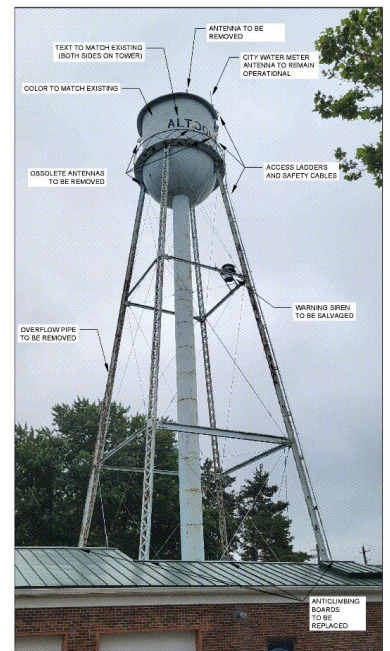
G. INSTALL A FULL CONTAINMENT SYSTEM TO CONTAIN HEAVY METAL BASED PRIMER COATING, BLAST MATERIALS, AND AIR BORN PARTIC. CONTAINMENT SYSTEM SHALL INCLUDE ROOF BOONET, GROUND COVER, AND DUST COLLECTION. PROVIDE FULL CONTAINMENT PLAN PRIOR TO COMMENCEMENT OF WORK DETAILING FULL CONTAINMENT SYSTEM AND METHOD OF REMOVING AND DISPOSING HEAVY METAL BASED COATINGS

COATING SYSTEM SCHEDULE							
SYSTEM	SURFACE PREPARATION	PRIMER	INTERMEDIATE I	INTERMEDIATE II	FINISH	TOTAL DFT	REMARKS
Tower Exterior	SSPC-SP6 / NACE 3	SERIES 93-H2O HYDRO-ZINC (2.5-3.5 DFT)	SERIES N99-H-BUILD EPOXYOLINE (2.0-3.0 DFT)	SERIES 73-ENCLURA-SHELD (2.0-3.0 DFT)	SERIES 700-GLOSS-HYDROFLON (2.0-3.0 DFT)	8.5 TO 12.5	1,2
REMARKS							
1. REFER TO SPECIFICATIONS IN SECTION 33.16.10 FOR ADDITIONAL INFORMATION.							
2. LETTERING SHALL BE DONE TWO COATS OF SERIES V700 APPLIED AT A RATE OF 2.0 TO 3.0 DFT PER COAT.							



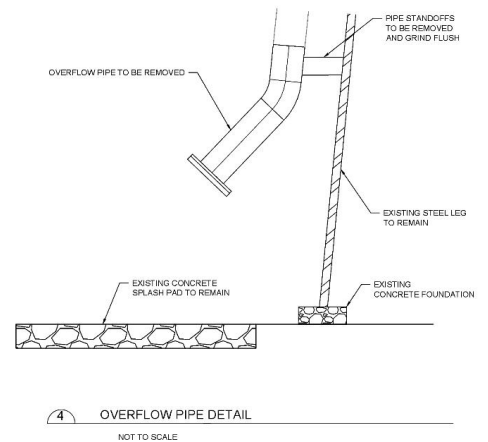
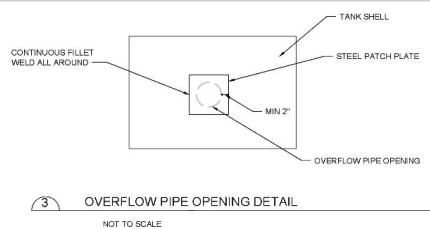
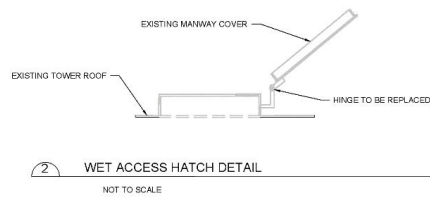
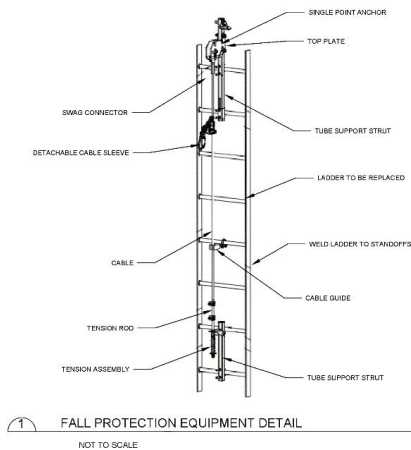
1 EXISTING TOWER TEXT

NO SCALE

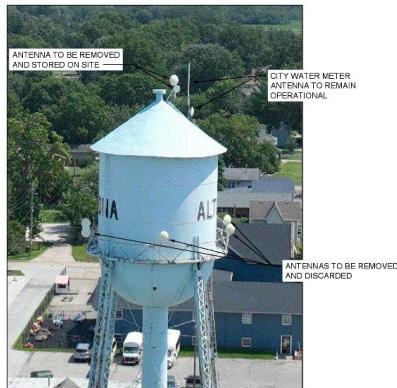


2 EXISTING TOWER TANK AND OVERALL SCOPE

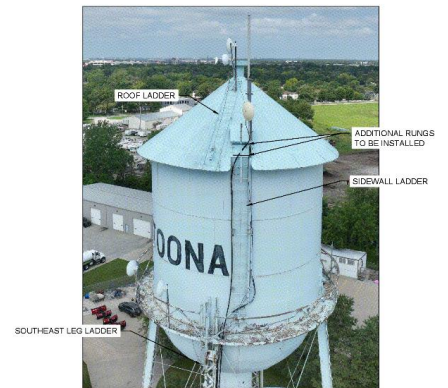
PROJECT DATE: OCTOBER 6, 2028		DESIGN BY: NOA	DATE: ---	REVISION BY: ---	 ENGINEERING ARCHITECTURE SURVEYING PLANNING LANDSCAPE ARCHITECTURE 1555 E Delaware Ave, Ankeny IA 50021 (515) 964-1320 www.msa-gps.com		OLD TOWN WATER TOWER REHABILITATION CITY OF ALTOONA POLK COUNTY, IOWA		PROJECT NO: 00005010
PLOT DATE: 10/03/28 3:14 PM		DESIGNED BY: BJS CHECKED BY: --- DATE: ---					COATINGS PLAN		SHEET T101



5 WARNING SIREN DETAIL
NOT TO SCALE



6 ANTENNA DETAIL
NOT TO SCALE



7 ACCESS LADDER DETAIL
NOT TO SCALE

PROJECT DATE	DRAWN BY	NO.	DATE	REVISION	BY
OCTOBER 8, 2020	DLH	1	10/8/20		
	DLH	2	10/15/20		
	DLH	3	10/22/20		
	DLH	4	10/29/20		
	DLH	5	11/5/20		



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OLD TOWN WATER TOWER REHABILITATION
CITY OF ALTOONA
POLK COUNTY, IOWA

WATER TOWER DETAILS

09005010
T501