

**SPECIFICATIONS**

**FOR**



**VILLAGE OF STEGER**

**2024 WATER TOWER RECOATING**

Located at:  
44 East 31<sup>st</sup> Street, Steger, IL  
Cook County

September 5, 2023

**PROJECT: 2024 WATER TOWER RECOATING**

**ENGINEER**

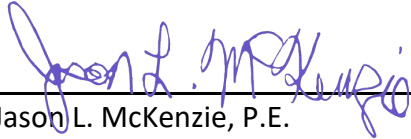
Veenstra & Kimm, Inc.  
552 W. Boughton Rd.  
Bolingbrook, IL 60440

SPECIFICATIONS  
FOR  
WATER TOWER RECOATING  
STEGER, ILLINOIS

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 Illinois.

Signed:

Date:



September 5, 2023

Jason L. McKenzie, P.E.

Illinois License No. 058089

My license renewal date is November 30, 2023



Parts covered by this seal:

ALL

Prepared by  
VEENSTRA & KIMM, INC.  
Rock Island, IL

# ADVERTISEMENT FOR BID

## 2024 WATER TOWER RECOATING VILLAGE OF STEGER

**Project Description:** Bids are invited for the Village of Steger 2024 Water Tower Recoating work. Work shall take place at 44 East 31<sup>st</sup> Street, Steger, IL. The scope of work includes: furnish all labor, materials and equipment necessary for removal of the existing wet interior coating and exterior coating, including roof; surface preparation; coating of all of the interior wet and exterior surface area, including roof, roof supports, connections, vent, stiffeners, hatches, balcony, ladder, legs, struts, tank and piping; structural and related work; foundation grouting; welding; replacement of bolts; replacement of bolt connections; grinding; dust and spray containment; waste disposal; draining; disinfection; ground surface restoration; repair of ladder safety equipment; recoating stripe; seam seal roof lap joints with urethane caulk; install cathodic clips and couplings for future installation of floating-type cathodic protection system; trim trees, brush and shrubs from site to prevent foundation or paint damage on the structure; re-grade the soil so rain water runs away from the foundations; remove soil on the foundations to expose the top three inches of the foundations; coat the foundations to help prevent further deterioration; drill drainage holes in the balcony to prevent pooling of water; install a 42-inch high railing and a painter's rigging rail on the roof; install rigging couplings on the roof at the existing painter's rigging rail for temporary fall prevention of workers in the wet interior; install rigging couplings under the bowl halfway between each leg and the riser, the couplings would be used by contractors for rigging safety lines during exterior work; install a screened flap gate on the end of the overflow pipe; re-weld broken pipe braces and add additional braces for support; install a concrete splash pad under the discharge end of the overflow pipe to prevent soil erosion; install a 36-inch diameter manway, replace the wet interior roof hatch with a 30-inch diameter hatch; install a handhold at the roof opening for entering and exiting the opening; replace the roof vent with a new frost-free pressure vacuum vent; install a fall prevention device on the exterior leg ladder; install a wet interior ladder with a fall prevention device; replace the sidewall and roof ladder with a vertical ladder and a step-off platform; install a vandal guard on the exterior ladder to prevent access; install a deflector plate at the inlet; install a siphon in the wet interior to completely drain the torus; install a 42-inch high handrail around the top of the riser; and miscellaneous associated work for the Water Tower Recoating, including site restoration and cleanup. **Construction and payment to occur in calendar year 2024.**

**Bid Package:** Bid documents will be available beginning at **12:00 noon, September 5, 2023** via the Village of Steger website (<http://villageofsteger.org>) or by contacting Susan Lupo, Veenstra & Kimm, Inc., (630) 775-5290, [slupo@v-k.net](mailto:slupo@v-k.net).

**Mandatory Pre-bid Meeting:** A mandatory pre-bid meeting will be held at **2:00pm, September 21, 2023**. Bidders shall meet at the water tower site, 44 East 31<sup>st</sup> Street, Steger, IL. Bidders must attend the pre-bid meeting, sign-in, and indicate as such on their bid form to be eligible to bid on this project. For any questions regarding this project contact: Dave Toepper, Village Infrastructure Director, (708) 755-3888, [dtoepper@villageofsteger.org](mailto:dtoepper@villageofsteger.org).

**Bid Opening:** This procurement will be contingent on required approvals. There is no guarantee that a purchase order will be issued as a result of this bid. Sealed bids, submitted in duplicate, shall be received before, but not later than, **10:00am, October 24, 2023**. Address bids to Mary Jo Seehausen, Village Administrator, 3320 Lewis Avenue, Steger, IL 60475. Bids will be opened and read aloud in the Village Hall Board Room at the time specified above. Bidders are invited to be present at the bid opening.

DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS

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Prepared by:  
VEENSTRA & KIMM, INC.  
552 W. BOUGHTON RD.  
BOLINGBROOK, IL 60440  
630-755-0290

**PROJECT MANUAL FOR VILLAGE OF STEGER**

WATER TOWER RECOATING  
44 EAST 31<sup>ST</sup> STREET  
STEGER, ILLINOIS 60475

DATE: SEPTEMBER 5, 2023

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**APPENDICES**

APPENDIX A – Site Photographs

APPENDIX B – Tower Inspection Report

APPENDIX C – Cover Sheet, Site Plan, Elevations, Renderings, and Tower Survey Plan

END OF DOCUMENT 00 0110

## **LIST OF DRAWINGS**

The following drawings are provided as Appendix C.

- C-1 .....TITLE & INDEX
- C-2 .....SITE PLAN
- C-3 .....TOWER PAINT ELEVATION PLAN
- C-4 .....TOWER PAINT RENDERING
- C-5 .....TOWER SURVEY PLAN EXHIBIT

END OF DOCUMENT 00 0115

## **INSTRUCTIONS TO BIDDERS**

### **SUMMARY**

The Village of Steger (the “Village”) is soliciting bids for Water Tower Recoating (the “Project”). See the Bid Specifications for details on the Project.

**Mandatory Pre-bid Meeting:** A mandatory pre-bid meeting will be held at **2:00pm, September 21, 2023**. Bidders shall meet at the water tower site, 44 East 31<sup>st</sup> Street, Steger, IL. Bidders must attend the pre-bid meeting, sign-in, and indicate as such on their bid form to be eligible to bid on this project.

### **CONTACT PERSON**

Dave Toepper  
Infrastructure Director  
3320 Lewis Avenue  
Steger, IL 60475  
Phone: (708) 755-3888  
Email: [dtoepper@villageofsteger.org](mailto:dtoepper@villageofsteger.org).

### **QUESTIONS AND ADDENDA**

Bidders may, in writing, ask questions or request clarification about this Invitation to Bid (“ITB”). Only written inquiries directed to the contact person listed above and received by **12:00 noon, October 10, 2023**, will be given consideration.

No oral comments will be made to any Bidder as to the meaning of the Bid Specifications or other contract documents.

At least forty- eight (48) hours before the bid opening, the Village will make available answers to questions or any modifications or additions to this Project or ITB in the form of a written addendum. Bidders will not be relieved of obligations due to failure to examine or receive documents, visit the website or become familiar with conditions or facts of which the Bidder should have been aware, and the Village will reject all claims related thereto. Information other than in the form of a written Addendum issued by the Village from any officer, agent, or employee of the Village or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him from fulfilling any of the conditions and obligations set forth in this ITB. In the event of conflict with the original ITB documents, addenda shall govern to the extent specified. Subsequent addenda shall govern over prior addenda only to the extent specified. **Bidders are required to acknowledge receipt of any formal Addendum by signing the Addendum and including it with the bid submission.** A Bidder’s failure to include a signed formal Addendum in its bid submission may deem its bid non-responsive.

## **BID SPECIFICATIONS**

The successful Bidder shall complete the following work at the Water Tower site, 44 East 31<sup>st</sup> Street, Steger, IL.

### **Scope of Work**

Furnish all labor, materials and equipment necessary for removal of the existing wet interior coating and exterior coating, including roof; surface preparation; coating of all of the interior wet and exterior surface area, including roof, roof supports, connections, vent, stiffeners, hatches, balcony, ladder, legs, struts, tank and piping; structural and related work; foundation grouting; welding; replacement of bolts; replacement of bolt connections; grinding; dust and spray containment; waste disposal; draining; disinfection; ground surface restoration; repair of ladder safety equipment; recoating stripe; seam seal roof lap joints with urethane caulk; install cathodic clips and couplings for future installation of floating-type cathodic protection system; trim trees, brush and shrubs from site to prevent foundation or paint damage on the structure; re-grade the soil so rain water runs away from the foundations; remove soil on the foundations to expose the top three inches of the foundations; coat the foundations to help prevent further deterioration; drill drainage holes in the balcony to prevent pooling of water; install a 42-inch high railing and a painter's rigging rail on the roof; install rigging couplings on the roof at the existing painter's rigging rail for temporary fall prevention of workers in the wet interior; install rigging couplings under the bowl halfway between each leg and the riser, the couplings would be used by contractors for rigging safety lines during exterior work; install a screened flap gate on the end of the overflow pipe; re-weld broken pipe braces and add additional braces for support; install a concrete splash pad under the discharge end of the overflow pipe to prevent soil erosion; install a 36-inch diameter manway, replace the wet interior roof hatch with a 30-inch diameter hatch; install a handhold at the roof opening for entering and exiting the opening; replace the roof vent with a new frost-free pressure vacuum vent; install a fall prevention device on the exterior leg ladder; install a wet interior ladder with a fall prevention device; replace the sidewall and roof ladder with a vertical ladder and a step-off platform; install a vandal guard on the exterior ladder to prevent access; install a deflector plate at the inlet; install a siphon in the wet interior to completely drain the torus; install a 42-inch high handrail around the top of the riser; and miscellaneous associated work for the Water Tower Recoating, including site restoration and cleanup.

**Construction and payment to occur in calendar year 2024.**

### **Changes and Substitutions**

The Village reserves the right to make changes, modifications or substitutions as needed. Contractors will not make changes, modifications, or substitutions without the express written consent of the Village.

### **Detailed Specifications**

Refer to **DETAILED SPECIFICATIONS** provided herein.

### **COMED OVERHEAD POWER LINES**

Refer to Appendix C, Sheet 2 and Sheet 5. Extensive coordination with ComEd has been undertaken regarding the overhead power lines that exist along the west side of the tower running north-south. Sheet 5 provides location detail gathered through a survey scan. ComEd is acutely aware of the project and project site. ComEd will be available throughout construction operations to assist and address de-energizing of power lines as well as any other treatments determined appropriate.



It shall be the Contractor's responsibility to provide a schedule of construction operations and notify the Engineer/Owner in advance of the start of each phase of work. ComEd requires an approximate seven (7) week notice prior to de-energizing existing lines. As such, it shall also be the Contractor's responsibility to coordinate with the Engineer/Owner to notify ComEd as soon as possible, and stage operations as much as possible to maintain construction progress.

The following ComEd representatives have participated in the aforementioned extensive coordination and will be available throughout construction operations:

**Lisa M. Aprati**

External Affairs Manager – South Region

ComEd

[Lisa.Aprati@comed.com](mailto:Lisa.Aprati@comed.com)

T 779-231-2477

M 708-821-2948

**Admir Beharic**

Suburban Region Manager

ComEd

[admir.beharic@comed.com](mailto:admir.beharic@comed.com)

M 224-659-0396

Contacts for the Owner and Engineer are provided below. Both can be contacted at any time for support regarding the ComEd power lines, any related concern, or scheduling.

**Dave Toepper**

Infrastructure Director

Village of Steger

[dtoepper@villageofsteger.org](mailto:dtoepper@villageofsteger.org)

T (708) 755-3888

**Clay Shipley**

Project Manager

Veenstra & Kimm, Inc.

[cshipley@v-k.net](mailto:cshipley@v-k.net)

M 217-331-8433

**RESPONSIBILITIES OF CONTRACTOR**

Shop Drawing and Samples. The Contractor shall approve and submit to the Engineer with such promptness as to cause no delay in its own work or in that of other Contractors, two hard copies or an electronic copy of all shop drawings and schedules required for the work of the various trades, and the Engineer shall pass upon them with reasonable promptness, making desired corrections. The Contractor shall make corrections required by the Engineer, file with it corrected copies and furnish such copies as may be needed. The Engineer's approval of such drawings or schedules shall not relieve the Contractor from responsibility for errors of work in shop drawings or schedules. All shop drawings shall bear the name and address of the manufacturers or suppliers. The Contractor shall furnish to the Engineer for approval all samples as specified or directed. The Work shall be in accordance with approved samples. All samples shall bear the name and address of the manufacturer or supplier.

Materials and Workmanship. Unless otherwise specified, the Contractor shall provide and pay for all materials, labor, water, tools, scaffolding, equipment, heat, light, power, transportation, telephones and other facilities necessary for the execution and completion of the Work. Unless otherwise specified, all materials incorporated in the Work shall be new and of good quality. The Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials. All work shall be performed in a skillful and workmanlike manner by workers normally engaged in the trade.

Substitutions. Certain materials and equipment are specified by manufacturer or trade name to establish standards of quality and performance and not for the purpose of limiting competition. Bids shall be based on the materials, and equipment stated in the Specifications and shown on the Drawings. Products of other manufacturers may be substituted in accordance with the following provisions, if, in the sole opinion of the Engineer, they are equal, or superior to those specified in quality, performance, design and suitability for intended use:

- The burden of proof as to the quality and suitability of the substitution shall be upon the Contractor, and it shall furnish all information necessary as required by the Engineer at no additional cost to the Owner.
- Where use of a substitute material involves redesign of or changes to other parts of the Work, the cost and the time required to affect such redesign or changes will be considered in evaluating the suitability of the substitute material.
- The request for substitution shall be made in writing by the Contractor and accompanied by complete data as to the equality of the materials proposed. Such request shall be made in ample time to permit approval without delaying the work.
- Whenever classification, rating or other certification by a body such as Underwriters Laboratories (UL) or the National Electrical Manufacturers Association (NEMA) is a part of the specification for any material, proposals for use of substitute materials shall be accompanied by reports from the listed or equivalent independent testing laboratory indicating compliance with specification requirements. Such reports shall include the date of testing. The cost of testing required to prove equality of the substitute material proposed shall be borne by the Contractor.

The decision of the Engineer with regard to substitutions shall be final.

Royalties and Patents. The Contractor shall pay all royalties and license fees. The Contractor shall indemnify the Owner in accordance with the Indemnification portion of this Section, against all suits and claims that may be based on an infringement of a patent.

Laws and Regulations. The Contractor shall give all notices and comply with all laws, ordinances, rules and regulations bearing on the conduct of the Work. If the Contractor observes that the requirements of the Contract Documents are at variance with such laws, ordinances, rules and regulations, it shall promptly notify the Owner in writing, and any necessary changes shall be adjusted as provided in the Contract Documents for changes in the Work. If the Contractor performs work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Owner, it shall bear all costs for corrections arising therefrom. The Contractor shall obtain and pay for all required permits, licenses, bonds, etc. as may be required to execute the Work.

Protection of Individuals, Work and Property. The Contractor shall continuously maintain adequate protection of all its work from damage and shall protect the Owner's property from injury or loss arising in connection with the Contract. It shall make good such damages, injury or loss, except such as may be directly due to errors in the Contract Documents or caused by agents or employees of the Owner. It shall adequately protect adjacent property as provided for by law and the Contract Documents. The Contractor shall take all necessary precautions for the safety of employees on the Work. The Contractor shall comply with all applicable provisions of federal, state and municipal safety laws and building codes to prevent accidents or injury to persons on, about or adjacent to the premises where the Work is being performed.

Barricades, Signs and Other Safeguards. The Contractor shall erect and properly maintain at all times, as required by the conditions and progress of the Work, all necessary safeguards for the protection of workers and the public and shall post danger signs warning the hazards created by such features of construction as protruding hoists, scaffolding, window openings, stairways and falling materials, and it shall designate a responsible member of its organization on the Work, whose duty shall be the prevention of accidents. The name and position of the person so designated shall be reported to the Owner by the Contractor. The Contractor shall provide and erect and maintain all necessary barricades, warning lights and other protection required by the Owner or by local laws and ordinances, or local authorities having jurisdiction over same, and shall also protect all walks, drives, curbs, lamp posts, underground conduits, overhead wires, water, sewer, gas mains and the like, until the owner assumes responsibility therefor.

Emergencies. In emergencies affecting the safety of life, the Work or adjoining property, the Contractor, without special instruction or authorization from the Owner, is hereby permitted to take such reasonable actions as the situation requires, at its discretion, to prevent such threatened loss or injury. Additionally, the Contractor shall so act if instructed or authorized by the Owner.

Subcontracting. The Contractor shall be responsible for coordinating the work of all the subcontractors employed by it on the Work. The Contractor shall be fully responsible to the Owner for the acts and omissions of its subcontractors, and of persons either directly or indirectly employed by them, as it is for the acts and omissions of persons directly employed by it. The Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the Work to bind subcontractors to the Contractor by the terms of the Contract Documents insofar as applicable to the work of subcontractors and to give the Contractor the same power as regards terminating any subcontract that the Owner may exercise over the Contractor under any provision of the Contract Documents.

Supervision. The Contractor shall give efficient supervision to the Work, using its best skill and attention. The Contractor shall keep on its work during its progress a competent superintendent and any necessary assistants, all satisfactory to the Owner. The superintendent shall not be changed except with the consent of the Owner unless the superintendent proves to be unsatisfactory to the Contractor and ceases to be in its employ. The superintendent shall represent the Contractor in its absence and all directions given to him shall be as binding as if given to the Contractor.

Clean-up. The Contractor shall at all times keep the premises free from accumulation of waste material or rubbish caused by its employees or work, and at the completion of the Work it shall remove all its rubbish from and about the area of the Work and all its tools, scaffolding and surplus materials and shall leave the Work "broom clean" or its equivalent, unless more exactly specified. In case of dispute the Owner may remove the rubbish and charge the cost to the Contractor. The Contractor shall use its own equipment and receptacles for the removal of waste materials and rubbish.

Inspection After One Year. Successful bidder will be required, by contract, to participate in a 1 year inspection of all replacement items and coated surfaces of the Steger Water Tower approximately 1 year after acceptance of the work set forth in these specifications. Any deficiencies shall be corrected at no cost to Owner. Notice of 1 year inspection will be provided.

Verification of Dimensions and Drawings. The Contractor shall make a careful check of the Drawings and a close comparison of the Drawings with the existing conditions to ascertain the full amount of work involved. The Contractor shall verify all dimensions given on the Drawings and of all existing conditions before proceeding with the construction or authorizing fabrication. It shall be the responsibility of the Contractor to report all errors, inconsistencies or omissions it discovers in the Drawings, Specifications or instructions and all discrepancies between the Drawings and the existing conditions to the Architect/Engineer before the performance of any work. It shall be required to execute all labor and provide all materials to carry out all work required to obtain the results as indicated on the Drawings and the Specifications, whether each and every item is mentioned or not. No additional compensation will be allowed for such work or materials as are not shown on Drawings, but which are required to obtain the above-mentioned results.

Subsurface Conditions and Existing Utilities. The Owner has endeavored to indicate on the Drawings all subsurface conditions and utilities, as well as the location of those utilities. The Contractor shall be obligated to call the Joint Utility Locating Information for Excavation (JULIE) and otherwise acquaint itself with the existing conditions at the site of the Work, as well as the conditions of performance of the Work as designated in the Contract Documents. The Contractor shall assume all responsibility for existing utilities, subsurface or otherwise, which are damaged by its work and operations and shall repair any such damage in a manner satisfactory to the Owner and at no cost to the Owner.

As-Built Drawings. On a set of full-size or quarter-size prints of the Drawings, which shall be kept on the job, the Contractor shall neatly record all differences between the Drawings and the actual work as built. It shall see to it that all changes in the work of all subcontractors are also recorded. Near the completion of the Work, deviations and other records shall be transferred to one new set of prints obtained from the Engineer. The costs for preparing these as-built prints shall be included in the Contract. When all revisions showing work as finally installed are made, the Contractor shall deliver the corrected prints to the Engineer before final payment will be made on the Contract. Nothing contained in this section shall be construed as authorizing any deviation in the Work as shown on the Drawings without written authority to the Contractor from the Engineer.

Guarantee. The Contractor shall guarantee all work and materials included in this Contract to be free from all defects or flaws in assemblage, construction, fabrication, or workmanship for the greater of a period of one year after the date of final payment for the entire Work by the Owner or the guarantee period specified in the various sections of the Specifications. Should any defects occur within this warranty period, the Contractor shall repair or replace such defective work or material, or both, free of expense to and to the satisfaction of the Owner. The rights and remedies of the Owner provided in this section shall be in addition to any other rights and remedies provided by law or under this Contract. The Contractor shall bear the cost of making good all work of assigned or separate contractors, or their subcontractors, if any, if it is destroyed or damaged by correction or removal of defective work. All removed material shall be disposed of in an appropriate manner.

Contract Time and Delay. The time limits in the Contract Documents are of the essence of the Contract. The Owner shall not be liable for any damages which the Contractor may suffer on account of any delay in the progress of its work unless the cause of the delay is the entire fault of the Owner and a result of either the Owner's gross negligence or willful misconduct. The Owner's only obligation to the Contractor, when the Contractor suffers a delay in the progress of its work, shall be to grant a time extension. No payment by the Owner of any kind will be made to the Contractor because of hindrances or delays from any cause in the progress of its work, whether such hindrances or delays are avoidable or unavoidable, and the Contractor will make no claim for compensation or damages for such delays and will accept in full satisfaction for such delays such extension of time.

Extension of Time. Any claim for a time extension must be made in writing to the Owner not more than ten (10) days after the commencement of the delay. In the case of a continuing delay, only one claim is necessary. The Contractor shall accompany its time extension request with an estimate of the probable effect of such delay on the progress of the Work and shall provide such detailed documentation and corroboration as may be necessary to substantiate the claimed effect on the progress of the Work. The delay giving rise to the time extension request must be beyond the control of the Contractor. The Contractor must take all practicable steps to avoid the delay. The Contractor must take all practicable steps, at its own expense, to overcome the impact of the delay. The Contractor's request for a time extension must be approved by the Owner, which approval shall not be withheld unreasonably.

Contracts. The Owner reserves the right to let other contracts in connection with this Work. The Contractor shall afford other contractors' reasonable opportunity for the introduction and storage of their materials and the execution of their work and shall properly connect and coordinate its work with theirs. If any part of the Contractor's work depends upon the work of any other Contractor for proper execution or results, the Contractor shall inspect and promptly report to the Owner any defects in such work that render it unsuitable for such proper execution and results. Its failure so to inspect and report shall constitute an acceptance of the other Contractor's work as proper for the reception of its work, except for the defects which may develop in the other Contractor's work after the execution of its work. To ensure the proper execution of its subsequent work, the Contractor shall measure work already in place and shall at once report to the Owner any discrepancy between the executed work and the Drawings.

Responsibility for Damages. Should the Contractor cause damage to any separate Contractor on the work, the Contractor agrees, upon due notice, to settle with such Contractor by agreement or arbitration. If such separate Contractor sues the Owner on account of any damage alleged to have been so sustained, the Owner shall notify the Contractor, which shall defend such proceedings at the Contractor's expense. If any judgment against the Owner arises therefrom, the Contractor shall pay or satisfy it and pay all costs incurred by the Owner.

Use of Premises. The Contractor shall confine its apparatus, the storage of materials and the operations of its workers to limits indicated by law, ordinances, permits or directions of the Owner or the Architect/Engineer and shall not unreasonably encumber the premises with its materials. The Contractor shall not load or permit any parts of the structure to be loaded with a weight that will endanger its safety. The Contractor shall enforce the Owner's requirements regarding signs, advertisements, fires, and smoking.

Cutting, Patching and Digging. The contractor shall do all cutting, fitting, or patching of its work that may be required to make its several parts come together properly, and fit it to receive or be received by work of other Contractors shown upon, or reasonably implied by the Drawings and Specifications for the completed structure, and it shall make said fittings good as the Engineer may direct. Any cost caused by defective or ill-timed work shall be borne by the party responsible therefor. The Contractor shall not endanger any work by cutting, digging, or otherwise altering the work and shall not cut or alter the work of any other Contractor save with the consent of the Engineer.

Claims for Extra Cost. If the Contractor claims that any instructions made after the contract is entered into by drawings or otherwise involve extra cost under this Contract, it shall give the Engineer written notice thereof within a reasonable time after the receipt of such instructions before proceeding to execute the work. In an emergency endangering life or property, oral notice shall be given to the Owner as soon as possible. No claim for extra cost shall be valid unless the appropriate notice has been given.

Status of the Prime Contractor. Owner reserves the right to assign contracts to the Prime Contractor. Should Owner assign the contract, the rights and responsibilities of Owner shall become the rights and responsibilities of the Prime Contractor. The assignment of the contract shall not, in any way, diminish the rights of Owner nor diminish the responsibilities of the Contractor.

Preconstruction Meeting. The Contractor shall attend any preconstruction meeting called by the Engineer.

Financial Records. The Contractor shall maintain, for a minimum of three (3) years after the date of final payment or the completion of the Contract, whichever is later, such books and records relating to its performance of the Contract which are necessary to support the amounts charged to the Owner under the Contract; all books and records required to be maintained hereunder shall be available for review and audit by the Illinois Auditor General and the Owner; and the Contractor shall cooperate fully with such audit. Failure to maintain the books and records required by this paragraph shall establish a presumption in favor of the Owner for the recovery of any funds paid by the Owner hereunder for which the books and records are not available.

Certified Payrolls. The Contractor and each subcontractor shall make and keep, for a period of not less than three years, records of all laborers, mechanics and other workers employed on the project, including each worker's name, address, telephone number when available, social security number, classification or classifications, the hourly wages paid in each pay period, the number of hours worked each day, and the starting and ending times of work each day. The Contractor shall submit to the Owner monthly certified payrolls, including all the information listed above and a signed statement that (a) such records are true and accurate, (2) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required by the Prevailing Wage Act, and (3) the Contractor or subcontractor is aware that knowingly filing a false certified payroll is a Class B misdemeanor. The Contractor shall also submit monthly certified payrolls from each of its subcontractors.

## **RIGHTS OF OWNER**

**Inspection of Work.** The Owner and the Engineer shall always have access to the Work and the Contractor shall provide proper facilities for such access. If the Specifications, the Owner's or the Engineer's instructions or the laws or ordinances of any public authority require any work to be specially tested or approved, the Contractor shall give the Engineer timely notice of its readiness for inspection, and if the inspection is by another authority other than the Owner or the Engineer, of the date fixed for such inspection. Observations by the Architect/Engineer shall be made promptly and, where practicable, at the source of supply. If any work should be covered up without approval or consent of the Engineer, it must, if required by the Engineer, be uncovered for examination at no additional expense to the Owner. Re-examination of questioned work may be ordered by the Engineer and if so ordered, the work must be uncovered by the Contractor. If such work is found in accordance with the Contract Documents, the Owner shall pay the cost of re-examination and replacement. If such work is found not in accordance with the Contract Documents, the Contractor shall pay such costs.

**Acceptance.** When the Contractor believes that a substantial part of the Work is complete, it shall give five business days written notice to the Engineer who will prepare a punch list of items remaining to be completed or corrected. When the Owner determines that the Work is substantially complete, a certificate of substantial completion will be submitted to the Contractor for its written acceptance. Such certificate will establish the date of substantial completion, state the responsibilities of the Owner and the Contractor for security, maintenance, heat, utilities, and insurance and will fix the time within which the Contractor shall complete or correct the items on the punch list. The Certificate of Substantial Completion will constitute acceptance of the Work except for items included on the punch list. When the Contractor has completed the items on the punch list it shall give five business days written notice of final completion to the Engineer who, together with the Owner will promptly inspect the Work. When the Owner determines that all work, including all punch list items, is complete, a Certificate of Final Completion will be issued. Final payment shall constitute final acceptance of the Work. Such final payment will not bar claims of the Owner.

**Correction of Work Prior to Final Payment.** The Contractor shall promptly remove from the premises all materials disapproved by the Engineer as failing to conform to the Contract, whether incorporated in the Work or not. The Contractor shall promptly replace and re-execute its own work in accordance with the Contract and without expense to the Owner and shall bear the expense of making good all work of other Contractors destroyed or damaged by such removal or replacement. If the Contractor does not remove such disapproved work and materials within a reasonable time fixed by written notice, the Owner may remove them and may store the material at the expense of the Contractor. If the Contractor does not pay the expenses of such removal within ten (10) days' time thereafter, the Owner may upon ten (10) days' written notice, sell such materials at auction or at private sale and shall account for the net proceeds thereof, after deducting all the costs and expenses that should have been borne by the Contractor.

**Correction of Work After Final Payment.** Neither the certificate of final completion, final payment or any provision in the Contract Documents shall relieve the Contractor of responsibility for faulty materials or workmanship and, unless otherwise specified, it shall remedy any damage to other work resulting therefrom which shall appear within the greater of a period of one year from the date of final acceptance or the guarantee period specified in the various sections of the Specifications. The rights and remedies of the Owner provided in this section shall not be exclusive and are in addition to any other rights and remedies provided by law or under the Contract.

Deductions for Uncorrected Work. If the Owner determines not to correct work which is defective, damaged, or not in accordance with the Contract, an equitable deduction from the Contract Price may be made therefor.

The Owner's Right to Stop Work. If the Contractor fails to correct defective work or persistently fails to carry out the work in accordance with the Contract Documents, the Owner, by a written order signed by its representative, may order the Contractor to stop work, or any part thereof, until the cause for such order has been eliminated. This right of the Owner to stop the work shall not give rise to any duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity.

The Owner's Right to do Work. If the Contractor neglects to execute the work properly or fails to perform any provision of this Contract, the Owner, after a three day notice to the Contractor, and without prejudice to any other remedy it may have, may make good such deficiencies and shall deduct the cost thereof from the payment then or thereafter due the Contractor.

Owner's Right to Terminate Contract Without Prior Notice. If the Contractor is adjudged as bankrupt, if it makes a general assignment for the benefit of its creditors, or if a receiver is appointed on account of its insolvency, then the Owner, without prejudice to any other right or remedy and without any prior notice to the Contractor or its surety, may terminate the employment of the Contractor, take possession of the premises and of all materials, tools and appliances thereon and finish the work by whatever method it may choose. In such case, the Contractor shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the Contract Price exceeds the expense of finishing the Work, including compensation for additional engineering, managerial, legal, and administrative services, such excess shall be paid to the Contractor. If such expense exceeds such unpaid balance, the Contractor shall pay the difference to the Owner.

Owner's Right to Terminate Contract With Prior Notice. Owner may terminate the Contract if: the Contractor persistently or repeatedly refuses or fails to supply enough properly skilled workers or proper materials; fails to make prompt payment to subcontractors, suppliers, or laborers; persistently disregards laws, ordinances, or the instructions of the Owner; or otherwise substantially violates any provision of the Contract. The Owner may, without prejudice to any other right or remedy, and after giving the Contractor and its surety, if any, seven days' written notice, terminate the Contract. Owner shall take possession of the premises and of all materials, tools and appliances thereon and finish the work by whatever methods it may choose. The Contractor shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the Contract Price exceeds the expense of finishing the Work, including compensation for additional engineering, managerial, legal, and administrative services, such excess shall be paid to the Contractor. If such expense exceeds such unpaid balance, the Contractor shall pay the difference to the Owner.

## **BID SUBMISSION REQUIREMENTS**

### **SEALED BIDS REQUIRED**

Oral, telephonic, telegraphic facsimile or electronically transmitted bids will not be considered. In order to be responsive, SEALED BIDS must be received by the Village in the Office of the Village Clerk, 3320 Lewis Avenue, Steger Illinois 60475, not later than 10:00am local time on October 24, 2023. All sealed bids must be submitted to the Village of Steger Clerk's Office, located at the above stated address, and shall be enclosed in an opaque envelope **marked: "VILLAGE OF STEGER, 2024 WATER TOWER RECOATING"**. All sealed bids submitted properly will be opened publicly and read aloud immediately following the stated submission time for the Project.



## BID DOCUMENTS

Bid Documents may be obtained by Bidders beginning **12:00 noon, September 5, 2023** via the Village of Steger website (<http://villageofsteger.org>) or by contacting Susan Lupo, Veenstra & Kimm, Inc., (630) 775-5290, [slupo@v-k.net](mailto:slupo@v-k.net).

## COPIES

Bidders must submit **three (3) complete, sealed, signed and attested hardcopies of the bid**. One (1) hardcopy shall be an **original unbound** version, marked "Original" and must contain original signatures. One (1) hardcopy shall be an **original bound** version, marked "Original" and must contain original signatures. The final hardcopy shall be a complete, identical, **bound copy** of the bid. Bids shall include all requested information, forms, affidavits and addendum acknowledgements (if applicable) in each copy in order to be considered responsive.

## COMPLETED FORMS

Bidders shall provide all the information requested in **REQUIRED DOCUMENTS** of this ITB. These documents shall be returned with the sealed Bid proposal.

**Bid Form – REQUIRED DOCUMENTS** includes the Bidder Summary Sheet which must be completed and submitted with the bid. Prices must include all permits, insurance, equipment, plant facilities, work, and expense necessary to perform the work in accordance with the Bid Specifications. The submitted bid price(s) shall not include any amount for sales or use taxes, or any other tax from which the Village is exempt.

**Affidavit of Compliance – REQUIRED DOCUMENTS** includes the Affidavit of Compliance which must be completed, signed, notarized, and submitted with the bid.

**References – REQUIRED DOCUMENTS** includes the References form that must be completed and submitted with the bid. Bidders shall provide three (3) references for which they have performed similar work. By providing this information, Bidders grant Village permission to contact said references and ask questions regarding prior work performance. Village may use the information gained from Bidder's references to further evaluate Bidder responsibility.

**Insurance Requirements – REQUIRED DOCUMENTS** includes the Insurance Requirements which must be completed, signed, and submitted with the bid. Bidders may submit with the bid a current policy Certificate of Insurance showing the insurance coverages the bidder currently has in force.

**Request for Taxpayer I.D. and Cert. (W-9) – REQUIRED DOCUMENTS** the attached Taxpayer I.D. and Certification (W-9) shall be filled out by the Bidder and the completed form(s) returned with the bid.

**Local Vendor Purchase Policy – REQUIRED DOCUMENTS**

**Proposal Bid Bond – REQUIRED DOCUMENTS**

## WITHDRAWAL OF BIDS

Once submitted, no bid may be withdrawn without the Village's consent, but it may be superseded by a subsequent timely bid. Any bid received after the time and date specified for opening, or any postponement thereof, will not be considered. Bids shall be irrevocable for at minimum sixty (60) calendar days after the Village opens them.

## OTHER

Each Bidder is responsible for reading this ITB and determining that the Bid Specifications describe the Project in sufficient detail. Bidders shall notify the Village of any inappropriate service, brand name, component, or equipment called for by the Village in this ITB and shall note in its bid the adjustments made to accommodate such deficiencies.

After bids have been opened, no Bidder shall assert that there was a misunderstanding concerning the nature of the Project or the quantities and specifications of the material/equipment/items to be delivered, and no such claim shall relieve a Bidder from its obligation to perform. All bids must be made only on the forms provided by the Village and must be made in accordance with this ITB, which is on file and may be obtained for examination in the Village Clerk's Office at the above address and are made part of this notice as though fully set forth herein.

## GENERAL TERMS AND CONDITIONS

**Assignment** – The successful Bidder shall not assign the work of this Project without the prior written approval of the Village.

**Bid Price** – The submitted bid prices shall include all pricing necessary to provide the items in accordance with the Bid Specifications in this ITB. The submitted bid price shall not include any amount for sales or use taxes, or any other tax from which the Village is exempt.

If the Bid Form requests unit prices or individual pricing for multiple items, and the Grand Total Bid Price does not match the summation of the items listed, at the Village's sole discretion, the Grand Total Bid Price shall govern over the unit prices or individual pricing for multiple items listed.

**Changes in the Scope of Work** - Changes in the contractual scope of work shall be preceded by a duly executed Change Order itemizing any change in the Contract sum or terms and conditions and, if required by the Village, approved by the Village Board of Trustees prior to acceptance of the Change Order.

**Compliance with Laws** – The Bidder shall at all times observe and comply with all laws, ordinances and regulations of the federal, state, and local governments, which may in any manner affect the preparation of bids or the performance of the Contract. Bidder hereby agrees that it will comply with all requirements of the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq., including the provision dealing with sexual harassment and that if awarded the Contract will not engage in any prohibited form of discrimination in employment as defined in that Act and will require that its subcontractors agree to the same restrictions. Bidders and all subcontractors shall comply with all requirements of the Act and of the Rules of the Illinois Department of Human Rights with regard to posting information on employees' rights under the Act.

Bidders are also required to comply with all applicable federal laws, state laws and regulations regarding minimum wages, limit on payment to minors, minimum fair wage standards for minors, payment of wage due employees, and health and safety of employees. Bidders are required to pay employees all rightful salaries, medical benefits, pension and social security benefits pursuant to applicable labor agreements and federal and state statutes and to further require withholdings and deposits, therefore.

**Confidentiality** – As a unit of local government, the Village is subject to the Illinois Freedom of Information Act (FOIA) or 5 ILCS 140/1, et. seq. as amended. Therefore, after award of the Contract, responses, documents, and materials submitted by the Bidder in response to this ITB will be made available for public inspection in accordance FOIA, unless otherwise determined by the Village Administrator. Based upon the public nature of these ITBs, where applicable, a Bidder must inform the Village, in writing, of the exact materials in the offer which it claims is exempt from disclosure pursuant to FOIA.

**Contract** – Actual work cannot begin until the Village issues a written Notice to Proceed to the successful Bidder. In order to receive said Notice, the successful Bidder shall submit to the Village for its approval all the necessary contracts, bonds, and insurance. Village approval of the contracts, bonds, and insurance shall be evidenced by its issuance of the signed contract by the Village and the Notice to Proceed.

The Village reserves the right to terminate the relationship with the successful Bidder if these documents are not submitted to and approved by the Village within ten (10) days of notice of bid award. The successful Bidder will be required to enter into a Contract with the Village within ten (10) business days of notice of bid award. This Contract will be satisfied upon completion, inspection, acceptance, and final payment for the work performed. Certain provisions of the Contract shall survive the expiration or termination of the Contract.

**Equals** – Any references in this ITB to manufacturer's name, trade name, or catalog number (unless otherwise specified) is intended to be descriptive but not restrictive and only to indicate articles or materials that will be satisfactory. Equipment and materials are specified, but bids on other makes will be considered, provided each Bidder clearly states on the face of their bid exactly what is proposed to be furnished. Unless so stated in the bid, it shall be understood that the Bidder intends to furnish the item specified and does not propose to furnish an "equal." The Village hereby reserves the right to approve as an equal, or to reject as not being an equal any article the bidder proposes to furnish which contains minor or major variations from specification requirements, but which may comply substantially therewith.

**Guarantees and Warranties** - All guarantees and warranties required shall be furnished by the bidder if awarded the Contract and shall be delivered to the Finance Department before final payment on the Contract is issued. By submitting a bid, Bidder expressly warrants those materials and equipment furnished under the contract will be of good quality and new unless otherwise expressly required or permitted by the contract documents, that the work will be free from defects for one (1) year from the issuance of the final payment by the Village and deficiencies shall be corrected by the successful Bidder under its warranty immediately upon notification from the Village.

**Indemnification** - The successful Bidder shall indemnify, defend and hold harmless the Village, its trustees, officers, directors, agents, employees, representative and assigns, from lawsuits, actions, costs (including attorney's fees), claims or liability of any character, incurred due to the alleged negligence of the Bidder, brought because of any injuries or damages received or sustained by any person, persons or property on account of any act or omission, neglect or misconduct of said Bidder, its officers, agents and/or employees arising out of, or in performance of any of the Contract provisions, including and claims or amounts recovered for any infringements of patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Worker's Compensation Act: or any other law, ordinance, order or decree. In connection with any such claims, lawsuits, actions or liabilities, the Village, its trustees, officers, directors, agents, employees, representatives, and their assigns shall have the right to defense counsel of their choice. The Bidder shall be solely liable for all costs of such defense and for all expenses, fees, judgments, settlements, and all other costs arising out of such claims, lawsuits, actions or liabilities.

The Bidder shall not make any settlement or compromise of a lawsuit or claim or fail to pursue any available avenue of appeal of any adverse judgment, without the approval of the Village and any other indemnified party. The Village or any other indemnified party, in its or their sole discretion, shall have the option of being represented by its or their own counsel. If this option is exercised, then the Bidder shall promptly reimburse the Village or other indemnified party, upon written demand, for any expenses, including but not limited to court costs, reasonable attorneys' and witnesses' fees and other expenses of litigation incurred by the Village or other indemnified party in connection therewith.

**Inspections** – The Village of Steger, its agent or designee reserves the right to make any Project inspections at any time.

**Insurance** – The successful Bidder shall purchase and maintain, at all times during the performance of the work under this Contract, insurance coverage and endorsements, including Worker's Compensation, Automobile Liability, Comprehensive General Liability and Excess Liability, in the amounts set forth in the Village's Insurance Requirements attached in **REQUIRED DOCUMENTS** of this ITB.

***Bidders must sign and submit with the bid, the Insurance Requirements in **REQUIRED DOCUMENTS** of this ITB, as recognition of the insurance coverages and amounts that will be required to be in place before the commencement of any work by the successful Bidder. By signing this form, Bidders certify that in the event the Bidder does not already have the required insurance coverages in place, the Bidder has checked with their insurance carrier and verified that the coverages and endorsements requested will be able to be obtained by the Bidder within ten (10) days after the date of the Notice of Award of the Contract.***

Bidders have the sole responsibility of verifying that the coverages and endorsements will be available for purchase and that they have made any and all inquiries necessary to satisfy this requirement and fully inform themselves in regard to any additional policy premiums the successful Bidder may incur as a result of obtaining said required coverages. Bidders also represent that they have taken the insurance requirements into account and at Bidders' sole discretion, has factored this into the bid prices submitted.

The successful Bidder is solely and entirely responsible for the payment of policy premiums and in no event will the Village be obligated to incur any additional expense, nor will the Village increase the amount of the Contract above the amount bid, as a result of any expense the successful Bidder may incur to satisfy the obligations required herein.

**Payments** – Payment terms will be made pursuant to the provisions of the Local Government Prompt Payment Act (50 ILCS 505/1 et seq.) after receipt and acceptance of the successful Contractor's dated invoice. For payment, send invoices to the Village of Steger and include the following information:

- Contractor's Name and Address
- The Village's Purchase Order or Contract Number
- Dates of service
- Dollar Amount Being Requested
- Current invoice amount
- Invoices from subcontractors
- Lien Waivers from subcontractors
- Previous retainage to date
- Current retainage
- Total retainage amount including current invoice

Invoices for payment must be approved by the Village Administrator or his designee. Upon the Village's request, invoices for progress payments must include supporting documentation such as packing slips, subcontractor's invoice and material invoices.

**Prevailing Wages** - In the manner and to the extent required by law, this Project is subject to the Illinois Prevailing Wage Act and to all laws governing the payment of wages to laborers, workers and mechanics of a contractor or any subcontractor of a contractor bound to this agreement who is performing services covered by this contract.

**Retention** – Ten percent (10%) of the amount due will be retained from payments for completed work. When final acceptance is obtained from the Village, the retention will be released in its entirety. Additional amounts, as determined by the Village Administrator or his designee, may be withheld, until final acceptance is given. The retained amount will be authorized for payment only after all work is accepted as complete and satisfactory by the Village and the Engineer, including completion of Punch List items.

## **EVALUATION OF BIDS/BIDDERS**

The Contract shall be awarded to the lowest responsive, responsible Bidder. In determining the lowest responsive and responsible bid, consideration will be given to several factors, including but not limited to price, financial responsibility of the bidder, completion date, responsiveness to the specifications, and the experience of the Village and other purchasers with the Bidders.

The Village reserves the right to accept any bid, any part or parts thereof, or to reject any and all bids. The Village reserves the right to waive minor informalities or irregularities in the bids received, to accept any bid deemed advantageous to the Village, or to reject any and all bids submitted. Conditional bids, or those which take exception to the ITB documents without prior written approval from the Village, may be considered non-responsive and may be rejected.

The Village award will be made within sixty (60) calendar days after the date of the bid opening, or any mutually agreed extension thereof. Award of the Contract is subject to approval by the Village's Board of Trustees.

The Village may elect to enforce its Local Vendor Purchasing Policy as specified in **Document 00 4112**. The Village may also conduct a pre-award facility survey. This survey may include, but is not limited to, determining if the Bidder has the experience, capability, necessary facilities, and financial resources to complete the contract in a satisfactory manner within the required time. The Village may make such investigations as it deems necessary to determine the ability of the Bidder to perform the work in conformity with the Contract documents, and the Bidder shall furnish to the Village all such information and data for this purpose as the Village may request.

## **BID SUBMITTAL CHECKLIST**

In order to be responsive, each Bidder must submit the following items:

- A. **Three (3) sealed hardcopies of the bid:** Not later than the bid opening, Bidders must submit three (3) complete, sealed, signed, and attested hardcopies of the bid.

Submit your bids in one (1) envelope labeled Village of Steger, 2024 Water Tower Recoating in the lower left-hand corner and addressed to:

Mary Jo Seehausen  
Village Administrator  
3320 Lewis Avenue  
Steger, IL 60475.

Refer to **Document 00 4115**, "Mailing Label", provided for convenience.

- B. **Signed and completed forms** from **REQUIRED DOCUMENTS:**

1. Bid Form (Document 00 4100)
2. Affidavit of Compliance (Document 00 4102)
  - Business Organization
  - Eligibility to Enter Into Public Contracts
  - Sexual Harassment Policy
  - Equal Employment Opportunity Compliance
  - Prevailing Wage Compliance
  - Tax Certification
  - Authorization & Signature
3. References (Document 00 4103)
4. Insurance Requirements (Document 00 4104)
5. Request for Taxpayer I.D. and Cert. (W-9) (Document 00 4110)
6. Local Vendor Purchase Policy (Document 00 4112)
7. Proposal Bid Bond (Document 00 5100)

- C. **Bidders are required to acknowledge receipt of any formal Addendum by signing the Addendum and including it with the bid submission.** A Bidder's failure to include a signed formal Addendum in its bid submission may deem its bid non-responsive.

END OF DOCUMENT 00 2113

## **VENDOR LEGAL AUTHORIZATION**

Vendor/Bidders may qualify to submit bids or proposals to the Village of Steger if they are a legal entity authorized to do business in Illinois **prior to** submitting the bid, offer or proposal. This applies to both in-state and out-of-state firms.

A Vendor/Bidder must be:

- a legal entity
- registered to conduct business in Illinois
- in good standing with the Illinois Secretary of State

Specific information regarding compliance can be obtained from (30 ILCS 500/1.15.80, 20-43). Please contact the Illinois Secretary of State at [www.cyberdriveillinois.com](http://www.cyberdriveillinois.com) for additional information.

### **In-State Firms**

Corporations (Corp); Limited Liability Companies (LLC); Limited Partnerships (LP); Limited Liability Limited Partnerships (LLLLP) - Please contact the Illinois Secretary of State for further information.

**Sole Proprietorships** - If the firm's name is the same as the sole proprietor's name, nothing is required.

### **Out-of-State Firms**

All Out-of-State Firms - A foreign vendor is defined as any vendor who has not incorporated within the State of Illinois. A Guide For Qualifying Foreign Corporations, published by the Secretary of State is available at: [http://www.cyberdriveillinois.com/publications/pdf\\_publications/c216.pdf](http://www.cyberdriveillinois.com/publications/pdf_publications/c216.pdf).

This document will help answer your questions on how to qualify your Corporation/LLC to do business in Illinois. Please direct your questions to the Illinois Secretary of State.

**For additional information go to: [www.cyberdriveillinois.com](http://www.cyberdriveillinois.com)**

- Click on "Publications and Forms" (top of the page, left-hand side).
- Select "Business Services".
- Select the type of company that applies (e.g., corporation, LLC, LLP).
- On the list of forms and publications, **an application to transact business in Illinois is available.**
- Please note that there is a fee due upon qualification.

END OF DOCUMENT 00 2120

**BID FORM**

Business Name: \_\_\_\_\_

Contact Person Name and Title: \_\_\_\_\_

Address (Street, City, State, Zip Code): \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

**SCHEDULE OF VALUES FOR: STEGER, 2024 WATER TOWER RECOATING**

*Note: The Schedule of Values will be used to determine the successful Bidder, based on the sum of all pay items. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid will be declared unacceptable if neither a unit price nor a total price is shown.*



ITEM	PAY ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	ITEM COST
1	<p>Furnish all labor, materials and equipment necessary for removal of the existing wet interior coating and exterior coating, including roof; surface preparation; coating of all of the interior wet and exterior surface area, including roof, roof supports, connections, vent, stiffeners, hatches, balcony, ladder, legs, struts, tank and piping; structural and related work; foundation grouting; welding; replacement of bolts; replacement of bolt connections; grinding; dust and spray containment; waste disposal; draining; disinfection; ground surface restoration; repair of ladder safety equipment; recoating stripe; seam seal roof lap joints with urethane caulk; install cathodic clips and couplings for future installation of floating-type cathodic protection system; trim trees, brush and shrubs from site to prevent foundation or paint damage on the structure; re-grade the soil so rain water runs away from the foundations; remove soil on the foundations to expose the top three inches of the foundations; coat the foundations to help prevent further deterioration; drill drainage holes in the balcony to prevent pooling of water; install a 42-inch high railing and a painter's rigging rail on the roof; install rigging couplings on the roof at the existing painter's rigging rail for temporary fall prevention of workers in the wet interior; install rigging couplings under the bowl halfway between each leg and the riser, the couplings would be used by contractors for rigging safety lines during exterior work; install a screened flap gate on the end of the overflow pipe; re-weld broken pipe braces and add additional braces for support; install a concrete splash pad under the discharge end of the overflow pipe to prevent soil erosion; install a 36-inch diameter manway, replace the wet interior roof hatch with a 30-inch diameter hatch; install a handhold at the roof opening for entering and exiting the opening; replace the roof vent with a new frost-free pressure vacuum vent; install a fall prevention device on the exterior leg ladder; install a wet interior ladder with a fall prevention device; replace the sidewall and roof ladder with a vertical ladder and a step-off platform; install a vandal guard on the exterior ladder to prevent access; install a deflector plate at the inlet; install a siphon in the wet interior to completely drain the torus; install a 42-inch high handrail around the top of the riser; and miscellaneous associated work for the Water Tower Recoating, including cleanup.</p>	LS	1		
2	Welding	HR	25		
3	Grinding	HR	16		
Contractor's Total Base Bid For All Item Total					
4	Contingency Allowance	LS	1	\$30,000	
<b>CONTRACTOR'S TOTAL BASE BID W/ ALLOWANCE FOR ALL ITEMS (In Dollars):</b>					

- (1) This proposal is valid for a *minimum* sixty (60) calendar days from the date of bid opening.
- (2) Award of contract for the low total bid submitted for the alternate selected by Owner.
- (3) Award of contract will be awarded based on the alternate selected without regard to whether the bidder is the low bidder on another alternate.
- (4) The work under the contract shall commence within ten (10) days after the date set forth in the written Notice to Proceed. Notice to Proceed will not be provided until the first or second quarter of calendar year 2024. The contract period shall extend to November 1, 2024, which will define the completion date of all work, unless otherwise extended by written notice of the owner due to unforeseen circumstances.
- (5) Liquidated damages in the amount of Five Hundred Dollars (\$500.00) per consecutive calendar day will be assessed for each day that the work shall remain uncompleted after the end of the contract period, with due allowance for extensions of the contract period due to conditions beyond the control of the Contractor.

Name: \_\_\_\_\_

Signature of Authorized Signee: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

END OF DOCUMENT 00 4100

## AFFIDAVIT OF COMPLIANCE

Bidders shall complete this Affidavit of Compliance. Failure to comply with all submission requirements may result in a determination that the Bidder is not responsible.

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The undersigned \_\_\_\_\_, as \_\_\_\_\_  
(Enter Name of Person Making Affidavit) (Enter Title of Person Making Affidavit)

and on behalf of \_\_\_\_\_, certifies that:  
(Enter Name of Business Organization)

**1) BUSINESS ORGANIZATION:**

**The Bidder is authorized to do business in Illinois: Yes [ ] No [ ]**

**Federal Employer I.D. #:** \_\_\_\_\_  
(or Social Security # if a sole proprietor or individual)

The form of business organization of the Bidder is (*check one*):

- Sole Proprietor
- Independent Contractor (*Individual*)
- Partnership
- LLC
- Corporation \_\_\_\_\_  
(State of Incorporation) (Date of Incorporation)

**2) ELIGIBILITY TO ENTER INTO PUBLIC CONTRACTS: Yes [ ] No [ ]**

The Bidder is eligible to enter into public contracts and is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3, or 33E-4 of the Illinois Criminal Code, or of any similar offense of "bid-rigging" or "bid-rotating" of any state or of the United States.

**3) SEXUAL HARRASSMENT POLICY COMPLIANCE: Yes [ ] No [ ]**

Please be advised that Public Act 87-1257, effective July 1, 1993, 775 ILCS 5/2-105 (A) has been amended to provide that every party to a public contract must have a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105 (A) (4) and includes, at a minimum, the following information: (I) the illegality of sexual harassment; (II) the definition of sexual harassment under State law; (III) a description of sexual harassment, utilizing examples; (IV) the vendor's internal complaint process including penalties; (V) the legal recourse, investigative and complaint process available through the Department of Human Rights (the "Department") and the Human Rights Commission (the "Commission"); (VI) directions on how to contact the Department and Commission; and (VII) protection against retaliation as provided by Section 6-101 of the Act. (Illinois Human Rights Act). (emphasis added). Pursuant to 775 ILCS 5/1-103 (M) (2002), a "public contract" includes "...every contract to which the State, any of its political subdivisions or any municipal corporation is a party."

**4) EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE: Yes [ ] No [ ]**

During the performance of this Project, Bidder agrees to comply with the "Illinois Human Rights Act", 775 ILCS Title 5 and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, et seq. The Bidder shall: (I) not discriminate against any employee or applicant for employment because of race, color, religion, sex, marital status, national origin or ancestry, age, or physical or mental handicap unrelated to ability, or an unfavorable discharge from military service; (II) examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization; (III) ensure all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, marital status, national origin or ancestry, age, or physical or mental handicap unrelated to ability, or an unfavorable discharge from military service; (IV) send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations for Public Contract; (V) submit reports as required by the Department's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts; (VI) permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts; and (VII) include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Agreement obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Bidder will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Bidder will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations. "Subcontract" means any agreement, arrangement or understanding, written or otherwise, between the Bidder and any person under which any portion of the Bidder's obligations under one or more public contracts is performed, undertaken or assumed; the term "subcontract", however, shall not include any agreement, arrangement or understanding in which the parties stand in the relationship of an employer and an employee, or between a Bidder or other organization and its customers.

In the event of the Bidder's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Right Act, or the Rules and Regulations for Public Contracts of the Department of Human Rights the Bidder may be declared non-responsible and therefore ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this agreement may be canceled or avoided in whole or in part, and such other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

**5) PREVAILING WAGE COMPLIANCE: Yes [ ] No [ ]**

In the manner and to the extent required by law, this bid is subject to the Illinois Prevailing Wage Act and to all laws governing the payment of wages to laborers, workers and mechanics of a Bidder or any subcontractor of a Bidder bound to this agreement who is performing services covered by this contract. If awarded the Contract, per 820 ILCS 130 et seq. as amended, Bidder shall pay not less than the prevailing hourly rate of wages, the generally prevailing rate of hourly wages for legal holiday and overtime work, and the prevailing hourly rate for welfare and other benefits as determined by the Illinois Department of Labor or the Village and as set forth in the schedule of prevailing wages for this contract to all laborers, workers and mechanics performing work under this contract available at:

<http://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx>).

The undersigned Bidder further stipulates and certifies that it has maintained a satisfactory record of Prevailing Wage Act compliance with no significant Prevailing Wage Act violations for the past three (3) years. In accordance with Public Act 94-0515, the Bidder will submit to the Village certified payroll records (to include for every worker employed on the project the name, address, telephone number, social security number, job classification, hourly wages paid in each pay period, number of hours worked each day and starting and ending time of work each day) on a monthly basis, along with a statement affirming that such records are true and accurate, that the wages paid to each worker are not less than the required prevailing rate and that the Bidder is aware that knowingly filing false records is a Class B Misdemeanor.

**6) TAX CERTIFICATION: Yes [ ] No [ ]**

Bidder is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is: (a) it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or (b) it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

**7) AUTHORIZATION & SIGNATURE:**

I certify that I am authorized to execute this Affidavit of Compliance on behalf of the Bidder set forth on the Bidder Summary Sheet, that I have personal knowledge of all the information set forth herein and that all statements, representations, that the bid is genuine and not collusive, and information provided in or with this Affidavit are true and accurate.

The undersigned, having become familiar with the Project specified in this bid, proposes to provide and furnish all of the labor, materials, necessary tools, expendable equipment and all utility and transportation services necessary to perform and complete in a workmanlike manner all of the work required for the Project.

**ACKNOWLEDGED AND AGREED TO:**

\_\_\_\_\_  
Signature of Authorized Officer

\_\_\_\_\_  
Name of Authorized Officer

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

Subscribed and Sworn To  
Before Me This \_\_\_\_ Day  
of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public Signature

**NOTARY SEAL**

END OF DOCUMENT 00 4102

## REFERENCES

Provide three (3) references for which your organization has performed similar work.

**Bidder's Name:**

---

*(Enter Name of Business Organization)*

(1) ORGANIZATION

ADDRESS

PHONE NUMBER

CONTACT PERSON

PROJECT NAME

YEAR OF PROJECT

(2) ORGANIZATION

ADDRESS

PHONE NUMBER

CONTACT PERSON

PROJECT NAME

YEAR OF PROJECT

(3) ORGANIZATION

ADDRESS

PHONE NUMBER

CONTACT PERSON

PROJECT NAME

YEAR OF PROJECT

END OF DOCUMENT 00 4103

DIVISION 00 – PROCUREMENT & CONTRACTING REQUIREMENTS

Document 00 4104 – Insurance Requirements

**INSURANCE REQUIREMENTS**

***Please submit a policy Specimen Certificate of Insurance showing bidder's current coverage's***

**WORKERS COMPENSATION & EMPLOYER LIABILITY**

\$500,000 – Each Accident

\$500,000 – Policy Limit

\$500,000 – Each Employee

Waiver of Subrogation in favor of the Village of Steger, IL

**AUTOMOBILE LIABILITY**

\$1,000,000 – Combined Single Limit

Additional Insured Endorsement in favor of the Village of Steger, IL

**GENERAL LIABILITY (Occurrence basis)**

\$1,000,000 – Each Occurrence

\$2,000,000 – General Aggregate Limit

\$1,000,000 – Personal & Advertising Injury

\$2,000,000 – Products/Completed Operations Aggregate

Additional Insured Endorsement & Waiver of Subrogation in favor of the Village of Steger, IL

**EXCESS LIABILITY (Umbrella-Follow Form Policy)**

\$2,000,000 – Each Occurrence

\$2,000,000 – Aggregate

***EXCESS MUST COVER:*** General Liability, Automobile Liability, Workers Compensation

Any insurance policies providing the coverages required of the successful Bidder, shall be specifically endorsed to identify “The Village of Steger, Illinois, and their respective officers, trustees, directors, employees and agents as Additional Insureds on a primary/non-contributory basis with respect to all claims arising out of operations by or on behalf of the named insured.” If the named insureds have other applicable insurance coverage, that coverage shall be deemed to be on an excess or contingent basis. The policies shall also contain a Waiver of Subrogation in favor of the Additional Insureds in regard to General Liability and Workers Compensation coverages. The certificate of insurance shall also state this information on its face. Certificates of insurance must state that the insurer shall provide the Village with thirty (30) days prior written notice of any change in, or cancellation of required insurance policies. The words “endeavor to” and “, but failure to do so shall impose no obligation or liability of any kind upon the insurer, its agents or representatives” must be stricken from all Certificates of Insurance submitted to the Village. Any insurance company providing coverage must hold an A VII rating according to Best's Key Rating Guide. Permitting the successful Bidder, or any subcontractor, to proceed with any work prior to our receipt of the foregoing certificate and endorsement, however, shall not be a waiver of the successful Bidder's obligation to provide all of the above insurance.

Bidders agree that if they are the successful Bidder, within ten (10) days after the date of notice of the award of the contract and prior to the commencement of any work, you will furnish evidence of Insurance coverage providing for at minimum the coverages and limits described above directly to Village of Steger Clerk's Office at: 3320 Lewis Avenue, Steger, Illinois 60475. Failure to provide this evidence in the time frame specified and prior to beginning of work may result in the termination of the Village's relationship with the selected bidder and the bid will be awarded to the next lowest bidder or result in creation of a new bid.



ACCEPTED & AGREED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_

\_\_\_\_\_  
Signature

Authorized to execute agreements for:

\_\_\_\_\_  
Printed Name & Title

\_\_\_\_\_  
Name of Company

END OF DOCUMENT 00 4104

Form **W-9**  
(Rev. October 2018)  
Department of the Treasury  
Internal Revenue Service

**Request for Taxpayer  
Identification Number and Certification**

**Give Form to the  
requester. Do not  
send to the IRS.**

▶ Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

See Specific Instructions on page 3.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only <b>one</b> of the following seven boxes.	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
	<input type="checkbox"/> Individual/sole proprietor or single-member LLC	<input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate
	<input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____	Exempt payee code (if any) _____
	<b>Note:</b> Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is <b>not</b> disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.	Exemption from FATCA reporting code (if any) _____
	<input type="checkbox"/> Other (see instructions) ▶ _____	(Applies to accounts maintained outside the U.S.)
5 Address (number, street, and apt. or suite no.) See instructions.	Requester's name and address (optional)	
6 City, state, and ZIP code		
7 List account number(s) here (optional)		

**Part I Taxpayer Identification Number (TIN)**

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

<b>Social security number</b>											
				-			-				
<b>or</b>											
<b>Employer identification number</b>											
				-							

**Part II Certification**

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

<b>Sign Here</b>	Signature of U.S. person ▶ _____	Date ▶ _____
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**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

**Purpose of Form**

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.*

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting*, later, for further information.

**Note:** If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

**Foreign person.** If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*).

**Nonresident alien who becomes a resident alien.** Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

**Example.** Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

## Backup Withholding

**What is backup withholding?** Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

**Payments you receive will be subject to backup withholding if:**

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the instructions for Part II for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code*, later, and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships*, earlier.

## What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code*, later, and the Instructions for the Requester of Form W-9 for more information.

## Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

## Penalties

**Failure to furnish TIN.** If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

**Civil penalty for false information with respect to withholding.** If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

**Criminal penalty for falsifying information.** Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

**Misuse of TINs.** If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

## Specific Instructions

### Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

**Note: ITIN applicant:** Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or “doing business as” (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity’s name as shown on the entity’s tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a “disregarded entity.” See Regulations section 301.7701-2(c)(2)(iii). Enter the owner’s name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner’s name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity’s name on line 2, “Business name/disregarded entity name.” If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

### Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

### Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

IF the entity/person on line 1 is a(n) . . .	THEN check the box for . . .
• Corporation	Corporation
• Individual • Sole proprietorship, or • Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.	Individual/sole proprietor or single-member LLC
• LLC treated as a partnership for U.S. federal tax purposes, • LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or • LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.	Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation)
• Partnership	Partnership
• Trust/estate	Trust/estate

### Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

#### Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys’ fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 <sup>1</sup>	Generally, exempt payees 1 through 5 <sup>2</sup>
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

<sup>1</sup> See Form 1099-MISC, Miscellaneous Income, and its instructions.

<sup>2</sup> However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

**Exemption from FATCA reporting code.** The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

**Note:** You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

**Line 5**

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

**Line 6**

Enter your city, state, and ZIP code.

**Part I. Taxpayer Identification Number (TIN)**

**Enter your TIN in the appropriate box.** If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

**Note:** See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

**How to get a TIN.** If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at [www.SSA.gov](http://www.SSA.gov). You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at [www.irs.gov/Businesses](http://www.irs.gov/Businesses) and clicking on Employer Identification Number (EIN) under Starting a Business. Go to [www.irs.gov/Forms](http://www.irs.gov/Forms) to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to [www.irs.gov/OrderForms](http://www.irs.gov/OrderForms) to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

**Note:** Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

**Caution:** A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

**Part II. Certification**

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

**Signature requirements.** Complete the certification as indicated in items 1 through 5 below.

**1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.**

You must give your correct TIN, but you do not have to sign the certification.

**2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.**

You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

**3. Real estate transactions.** You must sign the certification. You may cross out item 2 of the certification.

**4. Other payments.** You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

**5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions.** You must give your correct TIN, but you do not have to sign the certification.

**What Name and Number To Give the Requester**

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account) other than an account maintained by an FFI	The actual owner of the account or, if combined funds, the first individual on the account <sup>1</sup>
3. Two or more U.S. persons (joint account maintained by an FFI)	Each holder of the account
4. Custodial account of a minor (Uniform Gift to Minors Act)	The minor <sup>2</sup>
5. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee <sup>1</sup>
b. So-called trust account that is not a legal or valid trust under state law	The actual owner <sup>1</sup>
6. Sole proprietorship or disregarded entity owned by an individual	The owner <sup>3</sup>
7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor*
For this type of account:	Give name and EIN of:
8. Disregarded entity not owned by an individual	The owner
9. A valid trust, estate, or pension trust	Legal entity <sup>4</sup>
10. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
11. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
12. Partnership or multi-member LLC	The partnership
13. A broker or registered nominee	The broker or nominee

For this type of account:	Give name and EIN of:
14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

<sup>1</sup> List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

<sup>2</sup> Circle the minor's name and furnish the minor's SSN.

<sup>3</sup> You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

<sup>4</sup> List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships*, earlier.

\*Note: The grantor also must provide a Form W-9 to trustee of trust.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

**Secure Your Tax Records From Identity Theft**

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

**Protect yourself from suspicious emails or phishing schemes.**

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to [phishing@irs.gov](mailto:phishing@irs.gov). You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at [spam@uce.gov](mailto:spam@uce.gov) or report them at [www.ftc.gov/complaint](http://www.ftc.gov/complaint). You can contact the FTC at [www.ftc.gov/idtheft](http://www.ftc.gov/idtheft) or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see [www.IdentityTheft.gov](http://www.IdentityTheft.gov) and Pub. 5027.

Visit [www.irs.gov/IdentityTheft](http://www.irs.gov/IdentityTheft) to learn more about identity theft and how to reduce your risk.

## Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

## **LOCAL VENDOR PURCHASING POLICY**

The Village of Steger (Village) believes it is important to provide local vendors with opportunities to provide goods and services to the Village. This belief is based upon the fact that the active uses of commercial properties in the Village benefits the community through stabilization of the property tax base and the provision of employment opportunities for citizens of the community and surrounding region.

In an effort to promote the aforementioned benefits, the Village wishes to provide local vendors with preferential treatment when competing for contracts with the Village. A local vendor is defined as a business that has an actual business location within the corporate boundaries of the Village and is licensed, if applicable. The Village will not award a contract to a local vendor when the difference between the local vendors bid, and the otherwise lowest responsive and responsible bid exceeds the applicable percentage indicated below. As such, when considering contracts, the Village reserves the right to forego the lowest responsive and responsible bid in favor of a local vendor under the following circumstances:

<u>Contract Value</u>	<u>Range (up to a maximum of)</u>
\$0 - \$250,000	2.00%
\$250,000 – 1,000,000	1.50%
\$1,000,000 – 2,000,000	1.00%
Greater than \$2,000,000	Not Applicable

Under no circumstance will any contract be awarded to a local vendor when the local vendor's bid exceeds the lowest responsive and responsible bid by \$20,000 or more.

This Policy shall only apply if formal notice of the aforementioned criteria is provided as part of the bid specifications. In addition, it should be noted that the Village shall not be obligated to forego the low bidder in favor of the local vendor under any circumstances. However, this Policy simply provides the Village with the option of doing so when applicable. Furthermore, this Policy shall not apply in any situation where any portion of the contract amount is being paid with funds other than Village monies. Specifically, the Policy shall not apply in any situation where the Village has received a grant or otherwise received a source of funds other than its own funds.

END OF DOCUMENT 00 4112



**MAILING LABEL**

When submitting your response, please use the mailing label below. This will direct your response to the correct address and alert Purchasing staff to provide special handling.


Please check if you  
are submitting a no bid.

**Bid Project:**

**2024 WATERTOWER RECOATING**

**Bid Opening Date: October 24, 2023**

**Bid Opening Time: 10:00AM Local Time**



**MARY JO SEEHAUSEN  
VILLAGE ADMINISTRATOR  
3320 LEWIS AVENUE  
STEGER, IL 60475**

END OF DOCUMENT 00 4115

DIVISION 00 – PROCUREMENT & CONTRACTING REQUIREMENTS

Document 00 5100 – Proposal Bid Bond

**PROPOSAL BID BOND**

KNOW ALL MEN BY THESE PRESENTS: That we, \_\_\_\_\_  
\_\_\_\_\_, of, \_\_\_\_\_,  
as Principal, and \_\_\_\_\_

of \_\_\_\_\_, as  
Surety, are held and firmly bound unto the Village of Steger, Illinois, hereinafter defined as Obligee, in  
the penal sum of ten percent (10%) of the total amount of the bid (\$\_\_\_\_\_), for  
which payment of 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 Village  
of Steger, Illinois, a certain bid, in a sealed envelope, and hereby made a part hereof to enter into a  
contract in writing, for: 2024 Water Tower Recoating.

NOW THEREFORE, if the said bid by said Principal be accepted, and the Principal shall enter into a  
contract with the Obligee in accordance with the terms of such bid, and give such 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 improvements as may be required therein, then this obligation shall become null  
and void or in the event of the failure of the Principal to enter such contract and give such bond, the  
Principal shall pay to the Obligee 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\_\_\_\_\_.

\_\_\_\_\_  
Principal

By \_\_\_\_\_  
Contractor's Signature

\_\_\_\_\_  
Surety

By \_\_\_\_\_  
Attorney-in-Fact

END OF DOCUMENT 00 5100

**Cook County Prevailing Wage Rates posted on 8/15/2023**

Trade Title	Rg	Type	C	Base	Foreman	Overtime							H/W	Pension	Vac	Trng	Other Ins	Add OT 1.5x owed	Add OT 2.0x owed
						M-F	Sa	Su	Hol	Su	Sa	Hol							
ASBESTOS ABT-GEN	All	ALL		48.90	49.90	1.5	1.5	2.0	2.0	2.0	2.0	17.37	15.91	0.00	0.91		0.00	0.00	
ASBESTOS ABT-MEC	All	BLD		40.59	43.84	1.5	1.5	2.0	2.0	2.0	15.22	15.16	0.00	0.88		2.80	5.60		
BOILERMAKER	All	BLD		54.71	59.63	2.0	2.0	2.0	2.0	2.0	6.97	25.06	0.00	2.83		0.00	0.00		
BRICK MASON	All	BLD		50.81	55.89	1.5	1.5	2.0	2.0	2.0	12.50	23.01	0.00	1.16	0.00	0.00	0.00		
CARPENTER	All	ALL		53.51	55.51	1.5	1.5	2.0	2.0	2.0	12.29	25.26	1.70	0.81		0.00	0.00		
CEMENT MASON	All	ALL		50.75	52.75	2.0	1.5	2.0	2.0	2.0	17.33	22.00	0.00	1.15	0.00	1.50	3.00		
CERAMIC TILE FINISHER	All	BLD		45.62	45.62	1.5	1.5	2.0	2.0	2.0	12.75	15.64	0.00	1.04	0.00	0.00	0.00		
CERAMIC TILE LAYER	All	BLD		53.14	58.14	1.5	1.5	2.0	2.0	2.0	12.75	19.41	0.00	1.12	0.00	0.00	0.00		
COMMUNICATION ELECTRICIAN	All	BLD		48.66	58.37	1.5	1.5	2.0	2.0	2.0	13.90	14.40	1.25	1.31	0.25	0.00	0.00		
ELECTRIC PWR EQMT OP	All	ALL		60.15	66.00	1.5	1.5	2.0	2.0	2.0	13.08	20.29	0.00	3.25	0.00	0.00	0.00		
ELECTRIC PWR GRNDMAN	All	ALL		46.92	66.00	1.5	1.5	2.0	2.0	2.0	10.21	15.83	0.00	2.54	0.00	0.00	0.00		
ELECTRIC PWR LINEMAN	All	ALL		60.15	66.00	1.5	1.5	2.0	2.0	2.0	13.08	20.29	0.00	3.25	0.00	0.00	0.00		
ELECTRICIAN	All	ALL		53.80	58.37	1.5	1.5	2.0	2.0	2.0	18.65	19.55	1.25	1.81	0.60	0.00	0.00		
ELEVATOR CONSTRUCTOR	All	BLD		65.12	73.26	2.0	2.0	2.0	2.0	2.0	16.08	20.56	5.20	0.70		0.00	0.00		
FENCE ERECTOR	All	ALL		48.48	50.48	1.5	1.5	2.0	2.0	2.0	13.68	18.32	0.00	0.75	0.00	0.00	0.00		
GLAZIER	All	BLD		49.75	51.25	1.5	2.0	2.0	2.0	2.0	15.44	25.36	0.00	2.07	0.00	0.00	0.00		
HEAT/FROST INSULATOR	All	BLD		54.12	57.37	1.5	1.5	2.0	2.0	2.0	15.22	17.86	0.00	0.88		4.15	8.30		
IRON WORKER	All	ALL		57.00	59.00	2.0	2.0	2.0	2.0	2.0	17.05	25.56	0.00	0.49		0.00	0.00		
LABORER	All	ALL		48.90	49.65	1.5	1.5	2.0	2.0	2.0	17.37	15.91	0.00	0.91		0.00	0.00		
LATHER	All	ALL		53.51	55.51	1.5	1.5	2.0	2.0	2.0	12.29	25.26	1.70	0.81		0.00	0.00		
MACHINIST	All	BLD		55.74	59.74	1.5	1.5	2.0	2.0	2.0	9.93	8.95	1.85	1.47		0.00	0.00		
MARBLE FINISHER	All	ALL		38.75	52.46	1.5	1.5	2.0	2.0	2.0	12.50	20.95	0.00	0.66	0.00	0.00	0.00		
MARBLE SETTER	All	BLD		49.96	54.96	1.5	1.5	2.0	2.0	2.0	12.50	22.31	0.00	0.85	0.00	0.00	0.00		
MATERIAL TESTER I	All	ALL		38.90		1.5	1.5	2.0	2.0	2.0	17.37	15.91	0.00	0.91		0.00	0.00		
MATERIALS TESTER II	All	ALL		43.90		1.5	1.5	2.0	2.0	2.0	17.37	15.91	0.00	0.91		0.00	0.00		
MILLWRIGHT	All	ALL		53.51	55.51	1.5	1.5	2.0	2.0	2.0	12.29	25.26	1.70	0.81		0.00	0.00		

**Cook County Prevailing Wage Rates posted on 8/15/2023**

OPERATING ENGINEER	All	BLD	1	56.60	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	2	55.30	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	3	52.75	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	4	51.00	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	5	60.35	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	6	57.60	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	BLD	7	59.60	60.60	2.0	2.0	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	1	64.55	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	2	63.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	3	58.55	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	4	54.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	5	66.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	FLT	6	54.05	64.55	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	1	54.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	2	54.25	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	3	52.20	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	4	50.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	5	49.60	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	6	57.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
OPERATING ENGINEER	All	HWY	7	55.80	58.80	1.5	1.5	2.0	2.0	22.95	20.05	2.00	2.70	0.00	0.00
ORNAMENTAL IRON WORKER	All	ALL		55.01	57.51	2.0	2.0	2.0	2.0	14.23	26.00	0.00	2.00	0.00	0.00
PAINTER	All	ALL		51.55	57.99	1.5	1.5	1.5	2.0	14.76	15.69	0.00	1.86	0.00	0.00
PAINTER - SIGNS	All	BLD		41.55	46.67	1.5	1.5	2.0	2.0	3.04	3.90	0.00	0.00	0.00	0.00
PILEDRIVER	All	ALL		53.51	55.51	1.5	1.5	2.0	2.0	12.29	25.26	1.70	0.81	0.00	0.00
PIPEFITTER	All	BLD		55.00	58.00	1.5	1.5	2.0	2.0	12.65	22.85	0.00	3.12	0.00	0.00
PLASTERER	All	BLD		48.75	51.68	1.5	1.5	2.0	2.0	17.33	20.33	0.00	1.15	0.00	0.00
PLUMBER	All	BLD		56.80	60.20	1.5	1.5	2.0	2.0	17.00	17.29	0.00	1.73	0.00	0.00
ROOFER	All	BLD		49.00	54.00	1.5	1.5	2.0	2.0	11.83	15.56	0.00	0.99	0.00	0.00
SHEETMETAL WORKER	All	BLD		51.15	55.24	1.5	1.5	2.0	2.0	14.18	28.45	0.00	1.05	0.00	0.00

**Cook County Prevailing Wage Rates posted on 8/15/2023**

SIGN HANGER	All	BLD		34.72	37.50	1.5	1.5	2.0	2.0	6.85	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPRINKLER FITTER	All	BLD		56.70	59.45	1.5	1.5	2.0	2.0	14.45	18.70	0.00	0.75	0.00	0.00	0.00	0.00	0.00
STEEL ERECTOR	All	ALL		57.00	59.00	2.0	2.0	2.0	2.0	17.05	25.56	0.00	0.49					0.00
STONE MASON	All	BLD		50.81	55.89	1.5	1.5	2.0	2.0	12.50	23.01	0.00	1.16	0.00	0.00	0.00	0.00	0.00
TERRAZZO FINISHER	All	BLD		46.94	46.94	1.5	1.5	2.0	2.0	12.75	17.73	0.00	1.07	0.00	0.00	0.00	0.00	0.00
TERRAZZO MECHANIC	All	BLD		50.85	54.35	1.5	1.5	2.0	2.0	12.75	19.12	0.00	1.10	0.00	0.00	0.00	0.00	0.00
TRAFFIC SAFETY WORKER I	All	HWY		40.10	41.70	1.5	1.5	2.0	2.0	10.60	9.35	0.00	1.00	0.00	0.00	0.00	0.00	0.00
TRAFFIC SAFETY WORKER II	All	HWY		41.10	42.70	1.5	1.5	2.0	2.0	10.60	9.35	0.00	1.00	0.00	0.00	0.00	0.00	0.00
TRUCK DRIVER	E	ALL	1	41.75	42.40	1.5	1.5	2.0	2.0	12.80	15.74	0.00	0.15	0.00	0.00	0.00	0.00	0.00
TRUCK DRIVER	E	ALL	2	42.00	42.40	1.5	1.5	2.0	2.0	12.80	15.74	0.00	0.15	0.00	0.00	0.00	0.00	0.00
TRUCK DRIVER	E	ALL	3	42.20	42.40	1.5	1.5	2.0	2.0	12.80	15.74	0.00	0.15	0.00	0.00	0.00	0.00	0.00
TRUCK DRIVER	E	ALL	4	42.40	42.40	1.5	1.5	2.0	2.0	12.80	15.74	0.00	0.15	0.00	0.00	0.00	0.00	0.00
TRUCK DRIVER	W	ALL	1	42.18	42.73	1.5	1.5	2.0	2.0	11.20	15.46	0.00	0.15	0.00	0.00	0.00	0.00	0.00
TRUCK DRIVER	W	ALL	2	42.33	42.73	1.5	1.5	2.0	2.0	11.20	15.46	0.00	0.15	0.00	0.00	0.00	0.00	0.00
TRUCK DRIVER	W	ALL	3	42.53	42.73	1.5	1.5	2.0	2.0	11.20	15.46	0.00	0.15	0.00	0.00	0.00	0.00	0.00
TRUCK DRIVER	W	ALL	4	42.73	42.73	1.5	1.5	2.0	2.0	11.20	15.46	0.00	0.15	0.00	0.00	0.00	0.00	0.00
TUCK POINTER	All	BLD		50.53	51.53	1.5	1.5	2.0	2.0	9.55	21.72	0.00	1.11	0.00	0.00	0.00	0.00	0.00

**Legend**

**Rg** Region

**Type** Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers

**C** Class

**Base** Base Wage Rate

**OT M-F** Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

**OT Sa** Overtime pay required for every hour worked on Saturdays

**OT Su** Overtime pay required for every hour worked on Sundays

**OT Hol** Overtime pay required for every hour worked on Holidays

**H/W** Health/Welfare benefit

**Vac** Vacation

**Trng** Training

**Other Ins** Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations COOK COUNTY

## Cook County Prevailing Wage Rates posted on 8/15/2023

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.

### EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date. ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

### CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scurfing equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

### COMMUNICATIONS ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power

## Cook County Prevailing Wage Rates posted on 8/15/2023

conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

### MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

**MATERIAL TESTER I:** Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

**MATERIAL TESTER II:** Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

### OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators;

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Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

**OPERATING ENGINEERS - HIGHWAY CONSTRUCTION**

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types; Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Scream; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin



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- Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.
- Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.
- Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters; Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.
- Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.
- Class 6. Field Mechanics and Field Welders
- Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.
- OPERATING ENGINEER - FLOATING**
- Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).
- Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.
- Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.
- Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.
- Class 5. Friction or Lattice Boom Cranes.
- Class 6. ROV Pilot, ROV Tender
- TERRAZZO FINISHER**
- The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

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### TRAFFIC SAFETY Worker I

Traffic Safety Worker I - work associated with the delivery, installation, pick-up and servicing of safety devices during periods of roadway construction, including such work as set-up and maintenance of barricades, barrier wall reflectors, drums, cones, delineators, signs, crash attenuators, glare screen and other such items, and the layout and application or removal of conflicting and/or temporary roadway markings utilized to control traffic in construction zones, as well as flagging for these operations.

### TRAFFIC SAFETY WORKER II

Work associated with the installation and removal of permanent pavement markings and/or pavement markers including both installations performed by hand and installations performed by truck.

### TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION - EAST & WEST

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turntrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

### Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

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**LANDSCAPING**

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

**MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II**

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

## CONTRACT

THIS AGREEMENT, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between the Village of Steger, Illinois, party of the first part, hereinafter referred to as the "Owner", and \_\_\_\_\_, party of the second part, hereinafter referred to as the "Contractor".

WITNESSETH: THAT WHEREAS, the Owner has heretofore caused to be prepared certain plans, specifications, and proposal blanks, dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, for Water Tower Recoating under the terms and conditions therein fully stated and set forth, and,

WHEREAS, said plans, specifications and proposal blanks accurately and fully describe the terms and conditions upon which the Contractor is willing to perform the work specified:

NOW, THEREFORE, IT IS AGREED:

(1) That the Owner hereby accepts the proposal of the Contractor for the work, as follows:

Furnish all labor, materials and equipment necessary for removal of the existing wet interior coating and exterior coating, including roof; surface preparation; coating of all of the interior wet and exterior surface area, including roof, roof supports, connections, vent, stiffeners, hatches, balcony, ladder, legs, struts, tank and piping; structural and related work; foundation grouting; welding; replacement of bolts; replacement of bolt connections; grinding; dust and spray containment; waste disposal; draining; disinfection; ground surface restoration; repair of ladder safety equipment; recoating stripe; seam seal roof lap joints with urethane caulk; install cathodic clips and couplings for future installation of floating-type cathodic protection system; trim trees, brush and shrubs from site to prevent foundation or paint damage on the structure; re-grade the soil so rain water runs away from the foundations; remove soil on the foundations to expose the top three inches of the foundations; coat the foundations to help prevent further deterioration; drill drainage holes in the balcony to prevent pooling of water; install a 42-inch high railing and a painter's rigging rail on the roof; install rigging couplings on the roof at the existing painter's rigging rail for temporary fall prevention of workers in the wet interior; install rigging couplings under the bowl halfway between each leg and the riser, the couplings would be used by contractors for rigging safety lines during exterior work; install a screened flap gate on the end of the overflow pipe; re-weld broken pipe braces and add additional braces for support; install a concrete splash pad under the discharge end of the overflow pipe to prevent soil erosion; install a 36-inch diameter manway, replace the wet interior roof hatch with a 30-inch diameter hatch; install a handhold at the roof opening for entering and exiting the opening; replace the roof vent with a new frost-free pressure vacuum vent; install a fall prevention device on the exterior leg ladder; install a wet interior ladder with a fall prevention device; replace the sidewall and roof ladder with a vertical ladder and a step-off platform; install a vandal guard on the exterior ladder to prevent access; install a deflector plate at the inlet; install a siphon in the wet interior to completely drain the torus; install a 42-inch high handrail around the top of the riser; and miscellaneous associated work for the Water Tower Recoating, including site restoration and cleanup. **Construction and payment to occur in calendar year 2024.**

(2) That this contract consists of the following component parts which are made a part of this agreement and contract as fully and absolutely as if they were set out in detail in this contract:

2.1 Contract Documents, including, but not limited to:

	<u>Document</u>
2.1.1 Advertisement for Bids .....	00 0000
2.1.2 List of Drawings.....	00 0115
2.1.3 Instructions to Bidders.....	00 2113
2.1.4 Bid Form.....	00 4100
2.1.5 Proposal Bid Bond .....	00 5100
2.1.6 Bond.....	00 8200
2.1.7 General Conditions .....	00 8300
2.1.8 Special Conditions .....	00 8400
2.1.9 Detailed Specifications.....	01 1000
2.1.10 Numbered addenda issued to the foregoing .....	00 9110
2.1.11 Site Photographs.....	Appendix A
2.1.12 Tower Inspection Report .....	Appendix B
2.1.13 Cover Sheet, Site Plan, Elevations, Renderings, .....	Appendix C and Tower Survey Plan

2.2 This Instrument.

2.3 The above components are complementary and what is called for by one shall be as binding as if called for by all.

(3) That payments are to be made to the Contractor in accordance with and subject to the provisions embodied in the documents made a part of this contract.

(4) That this contract is executed in triplicate.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hand and seals the date first written above.

CONTRACTOR:

VILLAGE OF STEGER, ILLINOIS

By: \_\_\_\_\_

By: \_\_\_\_\_

Mayor

Title: \_\_\_\_\_

ATTEST:

ATTEST:

By: \_\_\_\_\_

By: \_\_\_\_\_

Village Clerk

Title: \_\_\_\_\_

END OF DOCUMENT 00 8100

**BOND**

KNOW ALL MEN: That we, \_\_\_\_\_

of \_\_\_\_\_, hereinafter called the Principal, and

\_\_\_\_\_

hereinafter called the Surety, are held and firmly bound unto the Village of Steger, Illinois, hereinafter

called the Owner, in the sum of \_\_\_\_\_

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_),

for the payment whereof the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly, by these presents.

Now Therefore, the condition of this Obligation is such that, if the Principal shall faithfully perform the Contract on his part and shall fully indemnify and save harmless the Owner from all cost and damage which he may suffer by reason of failure so to do and shall fully reimburse and repay the Owner all outlay and expense which the Owner may incur in making good any such default,

And Further, that if the Principal shall pay all persons who have contracts directly with the Principal for labor or materials, failing which such persons shall have a direct right of action against the Principal and Surety under this Obligation, subject to the Owner's priority,

Then this Obligation shall be null and void, otherwise it shall remain in full force and effect.

Provided, however, that no suit, action or proceeding by reason of any default whatever shall be brought on this Bond after three (3) years from the date of final acceptance of the work.

And Provided, that any alterations which may be made in the terms of the Contract, or in the work to be done under it, or the giving by the Owner of any extension of time for the performance of the Contract, or any other forbearance on the part of either the Owner or the Principal to the other shall not in any way release the Principal and the Surety, or either of them, their heirs, executors, administrators, successors or assigns from their liability hereunder, notice to the Surety of any such alteration, extension or forbearance being hereby waived.

And Further Provided, the Principal and Surety on this Bond hereby agree to pay all persons, firms, or corporations having contracts directly with the Principal or with subcontractors all just claims due them for labor performed or material furnished, in the performance of the Contract on account of which this Bond is given, when the same are not satisfied out of the portion of the contract price which the Owner shall retain until completion of the improvements, but the Principal and Surety shall not be liable to said persons, firms, or corporations unless the claims of said claimants against said portions of the contract price shall have been established as provided by law.

The Surety on this Bond shall be deemed and held, any contract to the contrary notwithstanding, to consent without notice:

- a) To the extension of time to the Principal in which to perform the Contract.
- b) To changes in the plans, specifications, or Contract, when such changes do not involve an increase of more than twenty percent (20%) of the total contract price and shall then be released only as to such excess increase.
- c) That no provision of this Bond or of any other contract shall be valid which limits to less than three (3) years from the date of final acceptance of the work the right to sue on this Bond for defects in workmanship or materials not discovered or known to the Owner at the time such work was accepted.

The Bond is executed in triplicate.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

**PRINCIPAL:**

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

**SURETY:**

\_\_\_\_\_  
Surety Company

\_\_\_\_\_  
Signature, Attorney-in-Fact

\_\_\_\_\_  
Name of Attorney-in-Fact

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Company Address (Including Zip Code)

\_\_\_\_\_  
Company Telephone Number

END OF DOCUMENT 00 8200

## **GENERAL CONDITIONS**

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#### 1. CONTRACT DOCUMENTS

- 1.1 All documents listed or identified as part of contract are each and all essential and component parts of agreement between Owner and Contractor.
- 1.2 Contract Documents shall be signed in triplicate by Owner and Contractor.



- 1.3 Contract Documents are complementary, and what is called for by anyone shall be as binding as if called for by all. The intention of documents is to include all labor and materials, equipment and transportation necessary for proper execution of work. It is not intended that materials or work not covered by or properly inferable from any heading, branch, class or trade of the specifications shall be supplied unless distinctly noted. Materials or work described in words, which have a well-known technical or trade meaning, shall be held to refer to such recognized standards.

## 2. SURETY BOND

- 2.1 Contractor shall furnish a good and sufficient surety bond in full amount of contract prior to signing contract. Surety bond shall guarantee faithful performance of all provisions of contract and payment of all bills and obligations arising from said contract. Should surety become irresponsible during time contract is in force, Owner may require additional and sufficient sureties. Contractor shall furnish said additional sureties to satisfaction of Owner within ten (10) days after written notice to do so. In default thereof, contract may be suspended as hereinafter provided.

## 3. CONTRACTOR'S RESPONSIBILITY

- 3.1 Contractor shall assume full responsibility for safekeeping of all materials and equipment and for all unfinished work until final acceptance by Owner. Materials and equipment which are damaged or destroyed from any cause shall be replaced at Contractor's expense.
- 3.2 Contractor shall indemnify and save harmless Owner against any liens filed for non-payment of Contractor's bills in connection with contract work. Contractor shall furnish Owner satisfactory evidence that all persons who have done work or furnished materials, equipment, or service of any type, under the contract have been fully paid prior to acceptance of work by Owner.
- 3.3 Contractor shall erect and maintain such barriers and lights as will prevent accidents as a consequence of its work. It shall indemnify and save harmless the Owner and its agents from all suits brought against Contractor for any injuries received or sustained by any person or persons by or through Contractor, its servants, or agents, in construction of work, or by or in consequence of any acts or omissions or negligence in performing contract work.

## 4. SUBCONTRACTS

- 4.1 Contractor shall not assign, sub-let or transfer the whole or any part of work herein specified without written consent of Owner. Assignment, sub-letting or transfer shall not relieve Contractor from its responsibilities set forth herein.
- 4.2 Detailed specifications are separated into titled parts for convenience or reference and to facilitate letting of contracts and subcontracts. Such arrangement shall not obligate Engineer to establish limits on contracts between Contractors and subcontractors.

## 5. CONTRACTOR'S EMPLOYEES

- 5.1 Contractor shall personally supervise its work or provide a capable superintendent satisfactory to Engineer. Superintendent shall be authorized to receive instructions from Engineer.
- 5.2 Incompetent or incorrigible employees shall be dismissed by the Contractor or its representative when requested by Engineer. Such dismissed persons shall not be permitted to return to work without written consent of Engineer.
- 5.3 Contractor shall give preference to local labor in execution of this contract, insofar as is practicable.

## 6. PERMITS AND REGULATIONS

- 6.1 In execution of work specified herein, Contractor shall conform to regulations and ordinances of any governmental body which may apply in execution of specified work. Contractor shall obtain such permits and licenses as may be required for construction of work.

## 7. PATENTS

- 7.1 All fees or royalties for patented inventions, equipment or arrangements used in construction or erection of work, or any part thereof, shall be included in contract price. Contractor shall protect and hold harmless Owner against any and all claims or litigation by reason of infringement of any patent rights on any materials, equipment of construction furnished by Contractor.

## 8. GUARANTEE

- 8.1 Contractor shall guarantee all work against faulty workmanship and materials for the period specified after date of final acceptance of work by Owner unless otherwise set out in "SPECIAL CONDITIONS" or "INSTRUCTIONS TO BIDDERS."

Contractor shall repair or replace any defective workmanship and materials in a manner acceptable to Owner, without expense to Owner, within ten (10) days after written notification by Owner of such defect. If said repairs or replacements are not made within ten (10) days, Owner may make said repairs or replacements and charge the cost to Contractor.

- 8.2 Contractor shall provide Owner with a good and sufficient surety maintenance bond in the full amount of contract prior to signing contract. Maintenance bond shall run for the period specified from time of acceptance to protect Owner from faulty workmanship and materials as outlined in preceding paragraph.

## 9. SHOP DRAWINGS

9.1 Contractor shall provide Engineer with drawings, data and information regarding materials or equipment specified, or as may be called for by Engineer, for its review, within a reasonable time after award of contract. After review, Engineer shall return to Contractor one copy within a reasonable time after receipt.

9.1.1 Submit 5 copies of all shop drawing submittals.

9.2 Fabrication and shipment of materials or equipment prior to Engineer's review of drawings, data and information mentioned above shall be at Contractor's risk.

## 10. THE ENGINEER

10.1 Engineer shall make general observation of work as agent of Owner. Engineer's general observation shall not be construed that it shall direct or control operations of Contractor.

## 11. PLANS AND SPECIFICATIONS

11.1 Engineer shall provide Contractor with five sets of plans and specifications after execution of contract. If additional plans and specifications are required, Contractor shall compensate Engineer for costs of printing.

11.2 Engineer shall provide Contractor with additional and supplemental plans as may be required to show details of construction after approval of manufacturers' drawings and data on materials and equipment.

11.3 Engineer will provide Contractor with such revised plans and specifications as may be required to show any authorized changes or extra work.

## 12. INTERPRETATION OF PLANS AND SPECIFICATIONS

12.1 Plans and specifications shall be interpreted by Engineer. Its decision shall be final and binding on all parties concerned.

12.2 Contractor will not be allowed to take advantage of errors or omissions in plans and specifications. Engineer will provide full instructions when errors or omissions are discovered.

## 13. DECISIONS BY ENGINEER

13.1 Engineer shall make decisions, in writing, on claims between Contractor and Owner within a reasonable time after presentation. Such decisions shall be regarded as final except for appropriate legal recourse.

#### 14. WORKMANSHIP AND MATERIALS

- 14.1 All work done, and all materials and equipment furnished by Contractor shall conform to plans and specifications. Competent labor and tradesmen shall be used on all work. Experienced manufacturers' representatives shall be used to supervise installation of equipment.
- 14.2 In absence of detailed specifications in other sections, all materials shall conform to standards of American Society for Testing Materials.
- 14.3 Wherever items of materials or equipment are specified by a manufacturer's name and type, or equal, it is the intent that materials or equipment of other manufacturers, equal in quality and performance, may be substituted. Such substitution may be made only with written authorization of Engineer.
- 14.4 Wherever items of materials or equipment are specified by a manufacturer's name and type, or equal, and additional features of items are specifically required by specifications, additional features specified shall be provided whether or not they are normally included in standard manufacturer's items listed.
- 14.5 Wherever items of materials or equipment are specified by a manufacturer's name and type, or equal, and specified items are or become obsolete and no longer available, Contractor shall provide acceptable equal items which are currently available at no change in contract price.
- 14.6 When proposing "or equal" items or substitutions, Contractor shall furnish general arrangement drawings, full descriptive data, manufacturer's specifications and such performance data as required to satisfy Engineer that materials or equipment proposed are equal to that specified. Burden of proof of equality shall be responsibility of Contractor.
- 14.7 Whenever items of materials or equipment are specified by a manufacturer's name and type and "or equal" is not listed, Contractor shall provide specified equipment without substitution, unless prior approval of Engineer is obtained for any substitution.
- 14.8 Contractor shall abide by Engineer's decision when proposed substitutes of material or equipment are deemed to be unacceptable and in such an event Contractor shall furnish items of equipment or materials specified.
- 14.9 Engineer reserves right to consider such factors as overall project arrangement, overall project cost, and similar factors in determining whether proposed substitutions will be acceptable.

#### 15. ON-SITE REVIEW OR OBSERVATION

- 15.1 All materials used, and all work done by Contractor shall be subject at all times to review, observation, tests and approval by Engineer. Contractor shall furnish samples of materials for observation and tests as requested by Engineer. Contractor shall furnish any information required concerning nature or source of any proposed materials or equipment.

- 15.2 Construction, fabrication and manufacture of equipment or materials specified herein may be observed by Engineer at plant or factory.
- 15.3 Materials, equipment or work which do not satisfactorily meet specifications may be condemned by Engineer by written notice to Contractor. Condemned materials, equipment or work shall be promptly removed and replaced.
- 15.4 Defective materials, equipment or work may be rejected by Engineer at any time prior to final acceptance by Owner even though said defective items may have been previously overlooked.
- 15.5 Contractor will cooperate with Inspector on inspection. Contractor will delay work until an inspection has occurred or Engineer has approved work.

16. RESIDENT ENGINEER AND/OR ENGINEER TECHNICIANS

- 16.1 Resident engineer and/or engineer technicians may be appointed by Engineer or Owner to ensure that work is performed in accordance with plans and specifications.
- 16.2 Resident engineer and/or engineer technicians shall have authority to notify Contractor in writing of work which is not being properly performed. Contractor shall be liable for any work determined by Engineer as not being properly performed.
- 16.3 Resident engineer and/or engineer technicians shall have no authority to permit deviation from plans and specifications and Contractor shall be liable for any deviations made without written order from Engineer.

17. TESTS

- 17.1 Tests shall be performed by Contractor upon materials and equipment specified, to determine if the materials and equipment meet requirements of specifications, conditions of operation and guarantees of Contractor.
- 17.2 Equipment shall be subject to factory tests specified herein. Certified evidence of tests shall be furnished when requested by Engineer.
- 17.3 Tests shall be made in accordance with standards of American Society of Mechanical Engineers, Institute of Electrical and Electronic Engineers, American Society for Testing Materials, and other recognized standards.

18. TIME

- 18.1 Contractor shall commence work within time specified and shall complete work within time specified in contract.

19. DELAYS

- 19.1 Delays caused by injunction or legal actions, damages by elements, or other causes beyond control of Contractor (of which Owner shall be sole judge) shall entitle Contractor to a reasonable extension of time within which to complete work.

- 19.2 Application for extension of time shall be made to Owner by Contractor and shall state reasons for request for extension of time.
- 19.3 No extension of time shall be valid unless made in writing by Owner.
- 19.4 Normal weather conditions shall not form the basis of request for extension of time. Abnormal weather conditions shall form basis of request for extension of time only to the delay in excess of that resulting from normal weather conditions.

## 20. CHANGES

- 20.1 Engineer shall have the right to make changes in location and quantities of work as may be deemed advisable with consent of Owner and without notice to sureties on Contractor's bond.
- 20.2 No change shall be made under this paragraph which will increase or decrease total contract amount more than twenty percent (20%) of original contract price and no changes shall be made in plan of improvement that would necessitate additional or different construction processes and equipment.
- 20.3 Amount due Contractor shall be adjusted for changes in following manner:
  - 20.3.1 Where unit prices have been bid, these unit prices shall be used to compute adjustment in compensation.
  - 20.3.2 Where no such unit prices have been bid, Engineer and Contractor shall negotiate a reasonable adjustment in Contractor's compensation. Limitations on compensation in 21.2 of "21. EXTRA WORK" shall apply to changes where compensation is negotiated.
  - 20.3.3 No changes shall be authorized unless they are shown on revised plans or in written instructions of Engineer.
  - 20.3.4 Authorized changes which require additional time to complete shall entitle Contractor to proportionate extension of time to completion which shall be determined by Engineer.

## 21. EXTRA WORK

- 21.1 Required extra work not specified under this contract shall be done at an agreed price satisfactory to Contractor and Owner, or on basis of actual cost of work plus not more than fifteen percent (15%) for Contractor's overhead and profit. Actual cost shall include expense for equipment, materials, and labor and shall include no overhead items or profit. Where extra work is done by a subcontractor, with approval of Owner, there may be included in Contractor's actual cost, ten percent (10%) for subcontractor's profit.
- 21.2 The term "extra work" as used herein shall not be construed to apply to changes described in "20. CHANGES".
- 21.3 No compensation shall be allowed Contractor for extra work unless such work has been authorized in writing by Engineer and approved by Owner.

21.4 Contractor shall submit a statement of costs to Engineer for approval when extra work is performed on an actual cost plus basis. After such a statement is approved, Engineer shall certify its correctness to Owner.

## 22. OWNERSHIP OF MATERIALS

22.1 All materials and work covered by partial payments shall become sole property of Owner, but this provision shall not be construed as relieving Contractor from sole responsibility for all materials and work for which payments have been made, for restoration of damaged work, or as a waiver of rights of Owner to require fulfillment of all terms of contract.

## 23. OTHER CONTRACTS

23.1 Owner reserves right to let other contracts in connection with this work. Contractor shall afford other contractors' reasonable opportunity for introduction and storage of their materials and execution of their work and shall properly connect and coordinate its work with theirs.

23.2 When proper execution of Contractor's work depends upon work of another contractor, it shall inspect other work and report any defects to Engineer. Contractor's failure to inspect and report shall constitute an acceptance of other contractor's work except for defects which may develop in work after completion.

23.3 To ensure proper execution of its subsequent work, Contractor shall measure work already in place and shall at once report to the Engineer any discrepancy between the executed work and drawings.

## 24. OWNER'S RIGHT TO DO WORK

24.1 If Contractor neglects to prosecute work properly or fails to perform any provision of this contract, Owner, after three (3) days' written notice to Contractor, may, without prejudice to any other remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due the Contractor, provided, however, that Engineer shall approve both such action and amount charged to Contractor.

## 25. OWNER'S RIGHT TO TERMINATE CONTRACT

25.1 Owner, upon certification of Engineer that there is sufficient cause to justify termination of contract, may, without prejudice to any other right or remedy, and after giving Contractor seven (7) days' notice may terminate employment of Contractor for any of following reasons:

25.1.1 Contractor makes a general assignment for benefit of its creditors, or if adjudged a bankrupt.

25.1.2 Receiver is appointed on account of Contractor's insolvency.

25.1.3 Contractor persistently or repeatedly fails or refuses, except when extension of time to complete is granted, to provide enough skilled workmen or proper materials.

- 25.1.4 Contractor fails to make prompt payment to subcontractors for material or labor.
- 25.1.5 Contractor persistently disregards laws and ordinances or instructions of Engineer.
- 25.1.6 Contractor violates a provision of contract.
- 25.2 If Owner terminates employment of Contractor, it shall take possession of premises and all materials, tools and appliances thereon. It shall finish work by whatever method it may deem expedient. In such case Contractor shall not be entitled to receive any further payment until work is finished.
- 25.3 If unpaid balance of contract price exceeds expense of finishing the work including compensation for additional managerial and administrative services, excess shall be paid to Contractor. If expense exceeds unpaid balance, Contractor shall pay difference to Owner. Expense incurred by Owner as herein provided, and damage incurred through Contractor's default, shall be certified by Engineer.

## 26. CONTRACTOR'S RIGHT TO STOP WORK OR TERMINATE CONTRACT

- 26.1 If Engineer fails to issue any certificate for payment within fifteen (15) days after it is due, or if Owner fails to pay to Contractor within thirty (30) days of its maturity and presentation, any sum certified by Engineer, then Contractor may, upon seven (7) days simultaneous written notice to Owner and Engineer, stop work or terminate this contract. If Contractor elects to stop work by written notice, work shall be resumed promptly upon payment by Owner. If Contractor elects to terminate this contract by written notice it shall recover from Owner payment for all work executed to date of notice and any loss sustained upon any plant or materials plus a reasonable profit.

## 27. PAYMENTS WITHHELD

- 27.1 Engineer may withhold or nullify the whole or a part of payment certificate, on account of subsequently discovered evidence, to such extent as may be necessary to protect Owner from loss on account of:
  - 27.1.1 Defective work not remedied.
  - 27.1.2 Claims filed or reasonable evidence indicating probable filing of claims.
  - 27.1.3 Failure of Contractor to make payments properly to subcontractors or for materials or labor.
  - 27.1.4 A reasonable doubt that contract can be completed for balance then unpaid.
  - 27.1.5 Damage to another contractor.
  - 27.1.6 Claims of Owner for liquidated damages.
- 27.2 Payments shall be made for amounts withheld when above grounds are removed.



## 28. ACCEPTANCE AND FINAL PAYMENT

- 28.1 When work has been satisfactorily completed, Engineer will certify Contractor's final estimate stating that work has been completed in accordance with terms and conditions thereof with qualifications, if any, as stated. Balance found to be due Contractor according to the terms of payment shall be paid by Owner as provided in contract, provided, however, that any state laws which designate manner of final payment shall be followed in lieu of manner of final payment outlined above.
- 28.2 Making and acceptance of final payment shall constitute a waiver of all claims by Owner, except those arising from unsettled liens, from faulty work or materials appearing after final payment or from requirements of the specifications, and of all claims by Contractor, except those previously made and still unsettled.

## 29. SUSPENSION OF WORK

- 29.1 Owner may suspend the work, or any part thereof, at any time, by giving ten (10) days' written notice to Contractor. The work shall be resumed by Contractor within ten (10) days after date fixed in written notice from Owner to Contractor to do so.
- 29.2 If work, or any part thereof, shall be suspended and if Owner does not give written notice to Contractor to resume work within one (1) year of date of suspension, Contractor may abandon suspended portion of work. Contractor will be entitled to estimates and payments for all work done on the portions so abandoned, if any.

## 30. CLEANING UP

- 30.1 Contractor shall keep premises free from accumulations of waste material or rubbish caused by its employees or work. After completion of work it shall remove all its rubbish and all its tools, scaffolding and surplus materials from work site. It shall leave its work "broom clean" or its equivalent, unless more exactly specified. In case of dispute the Owner may remove rubbish and charge costs to Contractor as Engineer shall determine to be just.

## 31. HAZARDOUS MATERIALS

- 31.1 The use of Asbestos Construction Building Materials (ACBM) is specifically prohibited. The Contractor, suppliers, and subcontractors shall warrant that all products used are asbestos free. In the event that a specified product contains asbestos, it shall be the responsibility of the Contractor to notify the Owner so that an appropriate substitution can be made in a timely manner so as not to delay the project.
- 31.2 The Contractor shall provide the Owner a certificate that warrants that no materials, products, items or equipment contains any asbestos upon completion of the work of this Contract. If asbestos is found to exist in any of the materials, products, items or equipment provided as part of this Contract, the Contractor shall be financially responsible for all costs resulting from removal in accordance with an Owner approved method and replacement of an asbestos free condition to finished drawings and specifications. The financial responsibility of the Contractor shall not terminate with the end of the surety maintenance bond period but shall continue through the life of the facility.

- 31.3 Contractor shall provide to the Owner a list of known hazardous chemicals that they anticipate will be used on site as well as all pertinent information relating to employee protection. Contractor's Material Safety Data Sheets (MSDS) shall be supplied to Owner upon arrival of such chemicals on Owner's property.
- 31.4 Any hazardous material waste created or produced will be disposed of by the Contractor. Such disposal will be done in a safe and legal manner complying with all laws, statutes, permits and ordinances. This work will be paid for under the appropriate lump sum price.

END OF DOCUMENT 00 8300

## **SPECIAL CONDITIONS**

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#### 1. INTENT

- 1.1 To supplement provisions of the GENERAL CONDITIONS by outlining special conditions applicable to project.
- 1.2 To outline special procedures to be followed during construction.

#### 2. LOCATION AND DESCRIPTION

- 2.1 The work is located in Steger, Illinois as shown in Drawing No. 1 - Vicinity Map. The construction is to occur in the 2024 construction season. No partial payments will be made prior to 2024.

#### 3. ORDER OF CONSTRUCTION

- 3.1 Provide Engineer with proposed schedule of construction showing dates of starting and completing various portions of work.
- 3.2 Coordinate work with Owner and Engineer to assure orderly and expeditious progress of work.
- 3.3 Establish schedule of working hours for construction, schedule subject to approval of Engineer and Owner.

3.4 Schedule construction to minimize use of street barricades and detours; clean up each portion of work as it is completed.

#### 4. REGULATED AREA

4.1 The purpose of the regulated area is to assure that unprotected workers and other personnel are not inadvertently exposed to hazardous environment and prevent unauthorized personnel access to the site.

4.2 Contractor to construct a temporary fencing around the work area to delineate the regulated area.

4.3 Provide signs on all 4 sides around regulated area to alert workers and other personnel.

4.3.1 Recommend signs: "Authorized Personnel Only", "Respiratory Protection Clothing Required".

#### 5. WORK HOURS

5.1 No work shall be done between the hours of 8:00 P.M. and 7:00 A.M. Monday through Saturday, all day Sunday and legal holidays without written approval of Engineer for extended work hours.

#### 6. PRECONSTRUCTION CONFERENCE

6.1 Prior to commencement of work at the site, a preconstruction conference will be held at a mutually agreed to place and time.

6.2 The purpose of the preconstruction conference is to meet responsible personnel, establish the working relationship between Owner, Engineer and Contractor and discuss special conditions.

6.3 Contractor shall bring to the preconstruction conference, at a minimum, the preliminary construction schedules, partial payment breakdown and cleaning method for surface preparation, containment, Contractor worker protection plan, ventilation plan, air quality monitoring plan, representatives contacts names, and 24 hour phone numbers.

#### 7. INTERRUPTIONS TO SERVICE

7.1 Contractor will drain the tank and remove from service as required with Owner's approval and instruction.

7.2 Contractor responsible to clean any sediment in the tanks.

7.3 Protect antenna and light on top of Steger Water Tower. Protect all cables on top and sides of water tower. Providers of communication equipment are to remove and replace.

7.4 Protect equipment and coordinate work with communication equipment owner on Water Tower (i.e. IPCS/Sprint).

8. SERVICE FACILITIES

8.1 Contractor to provide all services, including compressed air and workers sanitary facilities, to meet requirements for construction.

8.2 Owner will provide 110 volt electric power at elevated storage tank.

9. STORAGE OF MATERIALS AND EQUIPMENT

9.1 Minimal storage space for materials and equipment will be available at project site.

9.2 Store materials and equipment in manner which will preserve quality and fitness. Flammable material may not be stored in Owner's buildings.

10. CONSTRUCTION FACILITIES BY CONTRACTOR

10.1 Provide suitable protection necessary for proper storage of materials and equipment.

10.2 Provide telephone at all times during working day; provide liaison between telephone personnel and construction personnel for expeditious handling of messages.

10.2.1 Provide Engineer with at least 2 telephone numbers where Contractor's representatives can be reached on weekends and holidays in event of emergency.

10.3 Location of all construction facilities including construction plant and yard subject to approval of Engineer; remove all construction facilities upon completion of work.

10.4 Provide fences, barricades, and/or guards to prevent access of unauthorized persons to locations where work is in progress.

10.5 Provide and maintain suitable sanitary facilities for construction personnel for duration of work; remove upon completion of work.

11. INSURANCE BY CONTRACTOR

11.1 General:

11.1.1 Purchase and maintain insurance to protect Owner and Contractor against all hazards enumerated herein. All policies shall be in the amounts, form, and companies satisfactory to the Owner.

11.1.2 All certificates of insurance required herein shall state that thirty (30) days written notice will be given to the Owner before the policy is canceled or changed. All certificates of insurance shall be delivered to the Owner and Engineer prior to the time that any operations under this contract are started.

11.1.3 All of said Contractor's certificates of insurance shall be written on an insurance company authorized to do business in the State of Illinois.

11.2 Insurance requirements:

11.2.1 Purchase and maintain such insurance as will protect it from claims set forth below which may arise out of or result from the Contractor's operations under the contract, whether such operations be by itself or by any subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

11.2.1.1 Claims under workers compensation, disability benefit and other similar employee benefits acts.

11.2.1.2 Claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees.

11.2.1.3 Claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees.

11.2.1.4 Claims for damages insured by personal injury liability coverage which are sustained (a) by any person as a result of an offense directly or indirectly related to the employment of such person by the Contractor, or (b) by any other person.

11.2.1.5 Claims for damages, other than to the work itself, because of injury to or destruction of tangible property, including loss of use resulting therefrom.

11.2.1.6 Claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance, or use of any motor vehicle.

11.3 Liability limits: the insurance required by paragraph 15.2 shall be written for not less than any limits of liability specified herein, or required by law, whichever is greater:

11.3.1 General Liability; (including contractually; independent contractors, Broad form Property Damage, Personal Injury, Underground Explosion and Collapse Hazards). SEE SECTION 00 4104-1

11.3.2 Automobile Liability; (including all owned, non-owned and hired autos). SEE SECTION 00 4104-1

11.3.3 Worker's Compensation SEE SECTION 00 4104-1

11.3.4 Umbrella Liability; (applying directly directly excess of above liability coverages). SEE SECTION 00 4101-1

11.4 Contractual liability insurance: the insurance required by paragraph 11.2 shall include contractual liability insurance applicable to the Contractor's obligations as follows:

- 11.4.1 To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless Owner and Engineer and their agents, officers and employees from and against all claims, damages, losses and expenses, including, but not limited to attorney's fees, arising out of or resulting from performance of the work, provided that any such claim, damage, loss or expense (a) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) including loss of use resulting therefrom, and (b) is caused in whole or in part by any negligent act or omission of Contractor any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder; such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described herein.
- 11.4.2 In any and all claims against the Owner or the Engineer or any of their agents, officers or employees by any employee of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any Subcontractor under workers compensation acts, disability benefit acts or other employee benefit acts.
- 11.4.3 The obligations of the Contractor -shall not extend to the liability of the Engineer, its agents or employees, arising out of (a) the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs or specifications, or (b) the giving of or the failure to give directions or instructions by the Engineer, its agents or employees providing such giving or failure to give is the primary cause of the injury or damage.
- 11.5 Contractor's insurance for other losses:
- 11.5.1 For the consideration in this agreement hereinbefore stated, in addition to Contractor's other obligations, the Contractor assumes full responsibility for all loss or damage from any cause whatsoever to any tools owned by the mechanics, any tool machinery, equipment, or motor vehicles owned or rented by the Contractor, its agents, subcontractors or employees: to sheds or other temporary structures, scaffolding and staging, protective fences, bridges and sidewalk hooks. The Contractor shall also assume responsibility for all loss or damage caused by, arising out of or incident to larceny, theft, or any cause whatsoever (except as hereinbefore provided) to the structure on which the work of this contract, and any modifications, alterations, enlargement thereto, is to be done, and to the following items and labor connected or to be used as a part of the permanent materials, and supplies necessary to the work.
- 11.5.2 Furnish certificates of insurance to Engineer made in favor of Owner showing compliance with foregoing requirements.

11.6 Notification in event of liability or damage: upon the occurrence of any event, the liability for which is herein assumed, the Contractor agrees to forthwith notify the Owner, in writing, such happening, which notice shall forthwith give the details as to the happening, the cause as far as can be ascertained, the estimate of loss or damage done, the names of witnesses, if any, and stating the amount of any claim.

12. CONSTRUCTION LIMITS

12.1 Confine movements of equipment and personnel, storage of materials, and all other construction operations to lines defined by Owner.

13. EMPLOYMENT PRACTICES

13.1 Contractors, or subcontractors, shall not employ any person whose physical or mental condition is such that said employment will endanger the health and safety of himself or others employed on the project.

14. RESIDENT REVIEW

14.1 Provide reviewer with use of riggings for inspection of surfaces and monitoring of repair, preparation, and coating operation.

15. NOISE CONTROL

15.1 Contractor shall take measures for normal ambient sound level in work area.

15.2 All construction machinery and vehicles shall be equipped with sound muffling devices.

16. INSPECTION DURING AND AFTER ONE YEAR

16.1 Successful contractor will be required, by contract, to participate in a 1 year inspection of all work on the Water Tower approximately 1 year after acceptance of the work set forth in these specifications. Any deficiencies shall be corrected at no cost to Owner.

16.2 Notice of 1 year inspection will be provided.

16.3 Provide reviewer with motorized means to inspect all surfaces except roof of Water Tower during blasting and coating operations.

17. CONTAINMENT

17.1 Contractor shall design and construct a full or partial containment system to control environmental emission from the abrasive air blast cleaning for the Water Tower.



- 17.2 Containment shall meet following minimum requirements. Containment must be sufficient to comply with all minimum requirements. Contractor required to increase containment to meet all requirements.
  - 17.2.1 Visible emission not greater than Level 2 SSPC Guide 61 (Con) 5.5.1.3.
    - 17.2.1.1 Monitor emission by 40 CFR 60 Appendix A, Method 22.
    - 17.2.1.2 Provide daily log of visible emission.
  - 17.2.2 Air quality as specified hereinafter.
- 17.3 Contractor shall thoroughly examine water tower to verify its ability to support a containment system including wind loads.
- 17.4 Contractor responsible for repair to water tower from any damage caused by containment system. All attachments welded or bolted to the tank by Contractor must be removed after project completion, the areas ground smooth, cleaned, and coated as specified hereinafter on both interior and exterior surfaces.
- 17.5 Structure shall be air impermeable.
- 17.6 Submit containment plan to Engineer for approval.
- 17.7 Unacceptable emission shall cause the project to be shut down until corrections are made to containment.

## 18. VENTILATION

- 18.1 Contractor shall provide and maintain continuous ventilation during surface preparation and coating operations that are completed within the containment.
- 18.2 Cross draft velocity shall be minimum of 100' per minute: down draft minimum of 60' per minute.
- 18.3 Contractor to submit ventilation plan to Engineer for approval.
- 18.4 Air filtration required to collect dust.
  - 18.4.1 Size air filtration equipment appropriately for type and size particulate matter and for volume and velocity of air flow specified hereinbefore.
  - 18.4.2 Submit plan to Engineer for approval.

19. AIR QUALITY MONITORING

- 19.1 Contractor responsible for continuously monitoring ambient air outside regulated area.
- 19.2 Ambient air sampler will be positioned downwind; sampler location will be determined on predominant wind direction; movement of the samplers may be required periodically to remain down wind.
  - 19.2.1 Engineer to approve location of sampler.
- 19.3 Collect ambient air samples twice every 24 hours for 2 days in period from 3 to 7 days prior to cleaning operation to establish base line.
- 19.4 Ambient air samples will be collected, and filters changed every 24 hours for first 5 days of cleaning operation; if the 5 samples do not exceed the standard, then sampling can be conducted for 24 hours once every 7 days of the cleaning operation; if any of 5 samples exceed standard, daily sampling required until 5 days of testing not exceeding standard are experienced.

END OF DOCUMENT 00 8400

DETAILED SPECIFICATIONS

WATER TOWER RECOATING  
STEGER, ILLINOIS

PART 1 - GENERAL REQUIREMENTS

INDEX

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| 8. SPECIFICATIONS               | 16. PAYMENT                          |

1. FORM

1.1 Detailed specifications are in outline form and include incomplete sentences. Omission of words or phrases is intentional. Supply omitted words or phrases by inference.

2. INTENT

2.1 To set forth requirements of performance, type of construction desired, and standards of materials and construction.

2.2 To describe work set out in contract documents, unless otherwise specifically indicated.

2.3 To require performance of complete work in spite of omission of specific reference to any minor component parts.

2.4 To provide for new materials and equipment, unless otherwise indicated.

3. INTERPRETATION

- 3.1 Report any errors or ambiguities in specifications to Engineer as soon as detected; Engineer will answer questions regarding and interpret intended meaning of specifications; its interpretation shall be accepted as final.

4. WORK INCLUDED

- 4.1 Furnish all materials, labor and equipment for Water Tower Recoating as set out in Advertisement for Bids.

5. STARTING AND COMPLETION TIME

- 5.1 Start work within 10 calendar days after date set forth in written Notice to Proceed. Complete all work by November 1, 2024.

6. INFORMATION FOR ENGINEER

- 6.1 After award of contract submit following information and drawings for Engineer's approval; total number of approved copies required for distribution: 4 plus copies required by Contractor.
  - 6.1.1 Certified outline, general arrangement, assembly and installation, detail drawings for various repair items specified hereinafter.
  - 6.1.2 Manufacturer's specifications and catalog data for miscellaneous equipment.
  - 6.1.3 Shop drawings for structural steel and accessories.
  - 6.1.4 Written procedures for surface preparation and manufacturer's catalog data and instructions for painting system.
  - 6.1.5 Such other information as Engineer may request.
- 6.2 Within 15 days after award of contract, provide construction schedule, showing dates of starting and completing various portions of work and value of each portion of work.
- 6.3 Provide 2 copies of following information:
  - 6.3.1 Contract price breakdown of lump sum bid for use in preparation of periodic payment estimates with amounts and dates.

General Requirements

6.3.2 Purchase orders and subcontracts without prices.

7. SHOP DRAWINGS

- 7.1 Intent of Engineer's review: to assist Contractor in interpreting plans and specifications.
- 7.2 Contractor's responsibility: to check drawings prior to submission of coordination and conformance with contract; do not submit without checking.
- 7.3 Engineer's review is only for general conformance with design concept of project and general compliance with information given in contract documents. Any action shown is subject to requirements of specifications. Contractor is responsible for dimensions which must be confirmed and correlated at job site; fabrication processes and techniques of construction; and satisfactory performance of work.
- 7.4 Prior to submission of shop drawings and catalog data to Engineer: affix Contractor's stamp with signature of responsible person to show that material submitted has been checked and approved by Contractor; shop drawings submitted without appropriate stamp and signature will be returned without Engineer's review.

8. SPECIFICATIONS

- 8.1 Engineer will furnish up to 5 sets of specifications after award of contract. Contractor shall compensate Engineer for printing costs for additional copies required.
- 8.2 Provide 1 set of specifications for each foreman or superintendent in charge of each crew on job.

9. STANDARDS AND CODES

- 9.1 Do work in accordance with best present day construction practices.
- 9.2 Unless specifically noted to contrary, comply and test in accordance with applicable sections of latest revisions of codes and standards of following:
  - 9.2.1 American Institute of Steel Construction (AISC).
  - 9.2.2 American National Standards Institute (ANSI).

General Requirements

- 9.2.3 American Society for Testing and Materials (ASTM).
- 9.2.4 American Water Works Association (AWWA).
- 9.2.5 American Welding Society (AWS).
- 9.2.6 Federal Aviation Administration (FAA).
- 9.2.7 Federal Communications Commission (FCC).
- 9.2.8 Federal Specifications (FS).
- 9.2.9 Manual of Accident Prevention in Construction by Associated General Contractors of America, Inc., (AGC).
- 9.2.10 National Electrical Manufacturers Association (NEMA).
- 9.2.11 National Electrical Safety Code (NESC).
- 9.2.12 National Fire Protection Associations' National Electrical Code (NEC).
- 9.2.13 Occupational Safety and Health Act of 1970 (Public Law 91-596) (OSHA).
- 9.2.14 Illinois Occupational Safety and Health Act and the Illinois Onsite Safety and Health Consultation Program established in 1977.
- 9.2.15 Steel Structures Painting Council (SSPC).
- 9.2.16 Standards and codes of the State of Illinois and the ordinances of the Village of Steger, Illinois.
- 9.2.17 Other standards and codes which may be applicable to acceptable standards of the industry for equipment, materials, and installation under the contract.

10. FIELD TESTS

- 10.1 Engineer will conduct tests he deems necessary to determine that work is done correctly, and guarantees are met.
- 10.2 Engineer will supervise tests on surface preparation and coatings.

General Requirements

- 10.3 If performance guarantees or requirements are not met during tests, make necessary corrections, repairs or replacements; demonstrate to Engineer that work meets performance guarantees or requirements.

11. RESPONSIBILITY OF CONTRACTOR

- 11.1 Protection of his work.
- 11.2 Protection of Owner's property and adjacent property from injury or loss resulting from his operations.
- 11.3 Replace or repair objects sustaining any damage, injury or loss to satisfaction of Owner and Engineer.

12. TEMPORARY AND PROTECTIVE WORK

- 12.1 Make all temporary service connections necessary for maintaining utility service during the course of the work; do work as specified hereinafter.

13. BARRICADES AND LIGHTS

- 13.1 Erect and maintain barricades and lights and/or provide watchmen for protection and warning of pedestrians and vehicles; prevent access of unauthorized persons to portion of site where work is in progress; all barricades and lights at expense of Contractor.

14. FINAL REVIEW AND ACCEPTANCE

- 14.1 Notify Owner when work is considered complete and ready for final review.
- 14.2 After determining that the work is ready for final review and giving notice to Contractor, Engineer will make final review and tests he deems necessary to determine that provisions of specifications are satisfied.
- 14.3 Owner will accept work and make final payment to Contractor:
- 14.3.1 When Engineer has certified that work of Contractor is complete and in conformance with specifications.
- 14.3.2 When Contractor has filed with Owner or Engineer documents called for in specifications.

General Requirements

15. FLUSHING TANK

15.1 Contractor will drain the elevated water storage tank. The Contractor will cooperate with the Village of Steger in the draining of the tank. The City will identify the fire hydrant the tower will drain from. The Contractor will provide the de-chlorination of the water and any other materials to comply with federal, state, and local standards, statutes, and laws. The City will draw down the water tower water supply to its lowest reasonable level.

16. PAYMENT

16.1 No separate payment will be made for work covered under this part of the specification. Include all costs in unit and lump sum bid for Water Tower Recoating.



PART 2 - STRUCTURAL AND RELATED WORK

INDEX

- |                    |                            |
|--------------------|----------------------------|
| 1. GENERAL         | 3. INSTALL BIRD SCREEN AND |
| 2. OVERFLOW SCREEN | REPLACE LADDER RUNGS       |
|                    | 4. PAYMENT                 |

1. GENERAL

1.1 Complete items listed in this section.

1.2 Appendix A contains photographs for use by Contractor and may not completely show all areas requiring repair.

2. OVERFLOW SCREEN

2.1 Replace, furnish a new stainless steel screen and new bolts on the overflow pipe as needed and to be determined by the Engineer.

3. INSTALL BIRD SCREEN AND REPLACE LADDER RUNGS

3.1 Furnish and install stainless steel bird screens on the tank vents.

3.2 Weld ladder rungs and brackets into place that are missing or broken.

3.3 Repair/replace missing damaged cathodic protection hatches.

4. PAYMENT

4.1 No separate payment will be made for work covered under this part of the specifications. Include all costs in unit and lump sum bid except as set forth below for Water Tower Recoating.

4.2 Verify and provide necessary lamps of the proper size, wattage, and type. Install the lamps and return the used lamps to the Village of Steger.

PART 3 - UNFORESEEN WELDING AND GRINDING

INDEX

- 1. GENERAL
- 2. WORK INCLUDED
- 3. WORK EXCLUDED
- 4. QUALITY STANDARD
- 5. PAYMENT

1. GENERAL

- 1.1 Welding and Grinding in this section is to repair areas that are found during the cleaning operation to remove the existing coating.
- 1.2 Welding would typically include pit welding, seam welding and repair welding.
- 1.3 Grinding would typically include removing weld spatter, erection scab marks, and rough areas.
- 1.4 Engineer must approve all areas to be welded and ground.

2. WORK INCLUDED

- 2.1 Miscellaneous welding including pit welding or repair welding not discovered until surface preparation.
- 2.2 Remove spatter and erection bracket scab marks by grinding.
- 2.3 Provide complete set of welding equipment including welder and all materials necessary to perform welding.
- 2.4 Provide complete set of grinding equipment including one person and all materials necessary to perform grinding.

3. WORK EXCLUDED

- 3.1 Welding required to complete work specified under PART 2 - STRUCTURAL AND RELATED WORK.

4. QUALITY STANDARD

- 4.1 Perform welding in conformance with Section 8, AWWA D100-84 and ASME Section VIII, Division 1.

- 4.2 Do not weld over coated surfaces.
- 4.3 Weld only when surface has been thoroughly cleaned with near white blasting (SSPC-SP10).
- 4.4 All repair welds to be ground smooth.
- 4.5 Welders shall be certified in conformance with ASTM Section 9; submit copies of welder's certification.

5. PAYMENT

- 5.1 No separate payment will be made for the work covered under this part of the specifications except as set forth below.
  - 5.1.1 Welding, Hour: Unit price includes furnishing one welder, one welding machine, one set of leads, welding rods, and miscellaneous equipment to perform welding.
    - 5.1.1.1 Welding under this section is for areas that are found during the cleaning operation to remove the existing coating. Time calculated based on actual hours of welding rounded to nearest hour.
  - 5.1.2 Grinding, Hour: Unit price includes furnishing one person, grinder, and miscellaneous equipment to perform grinding.
    - 5.1.2.1 Grinding under this section is for areas that are found during the cleaning operation to remove the existing coating. Time calculated based on actual hours of grinding rounded to nearest hour.

PART 4 - SURFACE PREPARATION

INDEX

- 1. WORK INCLUDED
- 2. DESCRIPTION
- 3. SURFACE PREPARATION
- 4. SAFETY
- 5. PAYMENT

1. WORK INCLUDED

1.1 Furnish all material, labor, and equipment to prepare surfaces of all interior surfaces including all structural members in the roof; ladders; columns, hatches in wet area, and miscellaneous surfaces of the Water Tower.

2. DESCRIPTION

2.1 Water Tower - 250,000 Gallon Elevated Storage Tank:

2.1.1 Welded steel multi-legged tank built in 1963 by Pittsburgh Des Moines Steel Company and now owned by CB&I. Detailed structure plans are available from Trish Harr (815-439-3118) at CB&I for a fee.

2.1.2 Dimension: 58' in diameter; 125' in height.

3. SURFACE PREPARATION

3.1 Cleaning method:

3.1.1 Contractor can elect to complete surface preparation by dry or wet open abrasive air blast cleaning with expendable abrasives, dry or wet open abrasive air blast cleaning with recyclable abrasive; vacuum closed blasting with expendable or recyclable abrasive; chemical stripping.

3.1.1.1 Contractor must submit plan for other cleaning methods and obtain Engineer's approval prior to implementation of method.

3.2 Abrasives:

3.2.1 Non-metallic abrasive material such as slag derivatives, garnet and quartz shall be graded to proper size, shape, and hardness; abrasion shall be washed, dried, free from oils, grease, and other contaminants.

3.2.1.1 Submit proposed abrasive material specifications to Engineer for review.

Surface Preparation

- 3.2.1.2 Select abrasive material to provide coating manufacturer's recommended anchor pattern for selected coating system.
- 3.2.2 Recirculated abrasive materials such as shot, and grit shall be free from oils and greases and other contaminants.
  - 3.2.2.1 Submit proposed material specifications to Engineer for review.
  - 3.2.2.2 Selected abrasive material to provide coating manufacturer's recommended anchor pattern for selected coating system.
- 3.2.3 Additives:
  - 3.2.3.1 Additives can be utilized, such as Blastox, for removal of the lead/chromium containing coating. All waste will be properly contained and properly disposed of. This work will be paid for by the appropriate unit or lump sum bid price.
  - 3.2.3.2 Contractor must submit plan for an additive and obtain Engineer's approval.
- 3.2.4 Selected abrasive must provide anchor pattern ASTM D4417-93 on substrate recommended by coating manufacturer; report results of test on daily log.
- 3.3 Compressed air supply:
  - 3.3.1 Compressed air supply shall have suitable coolers, oil and moisture separator to prevent contamination of abrasives and substrate.
    - 3.3.1.1 Air pressure at nozzle: 95-100 psi; provide gauges and equipment to verify pressure at nozzle.
    - 3.3.1.2 Perform daily blotter test ASTM D4285-83 to check compressed air supply for contamination; utilize a white absorbent material and test air supply at outlet end that is downstream from oil and moisture traps; report results of tests on daily log.

Surface Preparation

- 3.3.2 After blast cleaning and prior to coating; allow sufficient time to remove all dust and abrasive material from blasted area by compressed air and for atmosphere to clear.
- 3.4 Following abrasive air blast cleaning apply first application of coating, leave 5" border uncoated; following day abrasive air blast 5" border plus 2" into previous day's coating.
- 3.5 Reference standard for surface preparation is SSPC-VIS 1-89 visual standard for abrasive blast cleaned steel.
- 3.6 Entire interior wet area including roof hatches, roof, and inlet pipe of the Water Tower:
  - 3.6.1 Near White Blast Clean in accordance with SSPC-SP10; clean surface free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides. Surface must be primed within 12 hours or before any rusting occurs.
  - 3.6.2 Roughen surface profile to provide anchor pattern for specified coating system.
  - 3.6.3 After surface preparation all surfaces must be clean and dust free prior to coating.
  - 3.6.4 Abrasive air blast abrasion shall be free of corrosion producing contamination, oil, grease, and other debris contaminants.
  - 3.6.5 Maximum interval between blasting and coating: 24 hours with no rust.
- 3.7 Entire interior dry area of the Water Tower:
  - 3.7.1 Commercial Blast Clean in accordance with SSPC-SP6; clean surface free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides. Surface must be primed within 12 hours or before any rusting occurs.
  - 3.7.2 Roughen surface profile to provide anchor pattern for specified coating system.
  - 3.7.3 After surface preparation all surfaces must be clean and dust free prior to coating.

Surface Preparation

- 3.7.4 Abrasive air blast abrasion shall be free of corrosion producing contamination, oil, grease, and other debris contaminants.
- 3.7.5 Maximum interval between blasting and coating: 12 hours with no rust.
- 3.8 Entire exterior area including roof hatches, roof, and inlet pipe of the Water Tower:
  - 3.8.1 Commercial Blast Clean in accordance with SSPC-SP6; clean surface free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides. Surface must be primed within 12 hours or before any rusting occurs.
  - 3.8.2 Roughen surface profile to provide anchor pattern for specified coating system.
  - 3.8.3 After surface preparation all surfaces must be clean and dust free prior to coating.
  - 3.8.4 Abrasive air blast abrasion shall be free of corrosion producing contamination, oil, grease, and other debris contaminants.
  - 3.8.5 Maximum interval between blasting and coating: 24 hours with no rust.

4. SAFETY

- 4.1 Comply with Paint Application Guide No. 3 of SSPC.

5. PAYMENT

- 5.1 No separate payment will be made for work covered under this part of the specifications. Include all costs in unit and lump sum bid for Water Tower Recoating.

PART 5 - COATING

INDEX

- 1. WORK INCLUDED
- 2. COATINGS IN GENERAL
- 3. QUALITY CONTROL
- 4. APPLICATION
- 5. COATINGS
- 6. LOGO/STRIPE
- 7. PAYMENT

1. WORK INCLUDED

1.1 Furnish all materials, labor, and equipment to apply coating to prepared surface as specified hereinbefore in SURFACE PREPARATION on all interior surfaces including all structural members in the roof, ladders, columns, hatches, inlet pipe in wet area, and miscellaneous surfaces of the Water Tower.

2. COATINGS IN GENERAL

2.1 Coatings manufactured by Tnemec Company, Inc. is the standard for quality. Or approved equal products will be considered prior to bidding.

2.1.1 Submit manufacturer's specifications for Engineer's review.

2.2 Prior to application of any coating a conference will be held between representatives of coating manufacturer, Contractor, and Engineer to discuss coating specifications and application.

2.3 Deliver paint to job site in original, unopened containers with labels intact; clearly marked or labeled to show paint identification, date of manufacture, batch number, analysis of contents, identification of all toxic substances and special instructions.

2.4 Store paint in well ventilated place, away from heat, sparks, flame, or direct rays of sunshine; protect from freezing; protect from excessive heat; provide safeguards to prevent fire.

2.5 Use exterior coatings from same batch of paint for each color; advise manufacturer of this requirement.

2.6 Interior wet area coating:

2.6.1 Corrosion resistant coating with high build properties for steel water storage facility intended for immersion service.

2.6.2 Certified in accordance with ANSI/NSF Standard 61 for potable water storage tanks.



Coating

- 2.6.3 Conform to AWWA D102-06 as applicable.
  - 2.6.4 All surfaces to receive a SSPC SP-10 Near White Blast surface preparation. Blast profile of 1.5 mils for the zinc/epoxy system, 3.5 mils for the elastomeric system.
  - 2.6.5 Conform to AWWA D102 Inside System No. 1 and AWWA C210.
  - 2.6.6 Abrasion: ASTM D4060 CS-17 wheel; no more than 115 MG loss after 1,000 cycles.
  - 2.6.7 Adhesion: ASTM D4541 Type II Fixed Alignment tester not less than 1,600 psi pull, average of 3 tests.
  - 2.6.8 Dielectric strength: ASTM D149 not less than 1,050 volts/mil.
  - 2.6.9 Immersion ASTM D870 coating applied to SSPC-10 steel cured and immersed in aerated tap water 77° with no blistering, delamination, or loss of film integrity after 4 years.
  - 2.6.10 Salt spray ASTM B117; no blistering, cracking, checking or delamination. No more than 1/8" rust creep at scribe after 8,000 hours exposure.
  - 2.6.11 After surface preparation steel surface will have pits of 1/8" and smaller that the coating will bridge.
- 2.7 Interior dry area coating:
- 2.7.1 Chemical and corrosion resistant for protection against abrasion, moisture and corrosive fumes; Hi-build epoxy for a steel water storage facility intended for exterior surface.
  - 2.7.2 Abrasion: ASTM D4060 no more than 115 MG loss after 1,000 cycles.
  - 2.7.3 Adhesion: ASTM D4561 not less than 1,000 psi pull.
  - 2.7.4 Exterior exposure facing south: no blistering, cracking, or delamination of film, no more than 1/32" rust creepage at scribe, no more than 2% rusting at edges after 6 years.

Coating

2.8 Exterior coating:

- 2.8.1 Aliphatic Acrylic Polyurethane with chemical and corrosion resistant for protection against abrasion, moisture, corrosive fumes, and exterior weathering; Hi-build quality for a steel water storage facility intended for exterior surface.
- 2.8.2 Abrasion: ASTM D4060 C5117 wheel no more than 116 MG loss after 1,000 cycles.
- 2.8.3 Adhesion: ASTM D3359 not less than 1,200 psi pull. Average 3 tests.
- 2.8.4 QUV exposure ASTM D4587: no blistering, cracking, or delamination of film. No less than 70% gloss retention, 28 units gloss and 1.5 DED color change after 2,000 hours exposure.
- 2.8.5 Top coating: high solids, high build, fast drying polyurethane coating resistant to abrasion, corrosion, fumes, and chemical contact; applied over epoxy on exterior to reduce caulking.
- 2.8.6 Exterior coating shall be applied by roller, no spraying.

3. QUALITY CONTROL

- 3.1 Contractor to maintain daily log of location of activities, wet mil thickness coating, dry mil thickness from previous day, lot number, batch number, color, manufacturer, gallons of coating used, compressed air blotter test, surface profile ambient air temperature, dew point and humidity.
- 3.2 Submit copy of daily log to Engineer.

4. APPLICATION

- 4.1 Apply only when surface temperature and dew point are suitable for producing good results as recommended by manufacturer's data sheet.
- 4.2 Coating shall not be applied when surface temperature, or coating, is below 40F.; coating shall not be applied when surface temperature is expected to drop to 40F. before coating has cured; manufacturer's data sheets to be strictly followed.
- 4.3 Coating shall not be applied in rain, wind, snow, fog or mist or when steel temperature is less than 5F. above dew point.

Coating

- 4.4 Percent humidity shall follow manufacturer's data sheets.
- 4.5 Use thinners and admixtures only as recommended by manufacturer and only of the same manufacturer and in specified amounts as noted on product data sheets.
- 4.6 Mixing:
  - 4.6.1 All ingredients in any container of coating shall be thoroughly mixed before use and shall be agitated often enough during application to keep coating uniform.
  - 4.6.2 Mix all catalysts, curing agents or hardeners in exact proportions of the parts as required by manufacturer.
    - 4.6.2.1 Provide calibrated measuring containers to mix any proportions that are less than full container.
  - 4.6.3 Mix with mechanical shaker or mixer only.
  - 4.6.4 Strain all pigmented paint after mixing, strainers shall be of type to remove only skin and undesirable matter.
  - 4.6.5 Mixture of coating shall be used within the pot life specified by manufacturer; discard unused portion of coating each day.
- 4.7 Each coat of coating shall be in proper state of cure or dryness before application of second coat; time interval between coating applications shall follow manufacturer's data sheet.
- 4.8 All runs and sags shall be brushed out immediately or remove coating and surface repaired.
- 4.9 Spray equipment shall be kept sufficiently clean so dirt, dried coating and other foreign materials are not deposited in the coating film; any solvents left in equipment shall be completely removed before using.
- 4.10 Coating shall be applied in uniform layers with overlapping at edge of spray pattern; during application gun shall be held perpendicular to surface and at a distance which will ensure a wet layer of coating is deposited on surface.
- 4.11 Entire interior wet area coating including the entire roof:

Coating

- 4.11.1 Stripe coat one coat of primer on all weld seams, joints, and repaired areas prior to full primer application.
  - 4.11.1.1 Work primer into all irregularities in the welding with a brush.
- 4.11.2 Apply coating in a workmanlike manner. Thin according to manufacturer's recommendations.
- 4.11.3 Where necessary, follow by brushing to secure uniform coverage and to eliminate wrinkling, blistering and air holes.
- 4.11.4 If interior spraying becomes detrimental or objectionable to personnel, Owner reserves right to require brush or roller painting.

5. COATINGS

- 5.1 Coatings specified hereinafter are based on products manufactured by Tnemec Company, Inc.
- 5.2 All exterior surface areas:
  - 5.2.1 Primer coat:
    - 5.2.1.1 Tnemec Company Series 91-H2O Hydro-Zinc; dry mill thickness 3-3.5 mils.
  - 5.2.2 Intermediate coat:
    - 5.2.2.1 Tnemec Company Series 73-Color Endura-Shield; dry mill thickness 2.5-3 mils.
  - 5.2.3 Top coat:
    - 5.2.3.1 Tnemec Company V700 HydroFloN; dry mil thickness 2.5-3 mils.
- 5.3 Interior wet area (bottom of bowl and wet riser):
  - 5.3.1 Primer:
    - 5.3.1.1 Tnemec Company 91-H2O Hydro-Zinc; dry mil thickness 3-3.5 mils. Stripe coat all weld seams with Tnemec Series 20HS-15BL Pota-Pox applied at 5 mils DFT to insure proper coverage of any surface irregularities.

Coating

- 5.3.2 Second coat:
  - 5.3.2.1 Tnemec Company FC22-WHO8 Epoxoline; dry mil thickness 23-30 mils.
- 5.4 Wet area interior including roof, structural roof members, dry riser and platforms:
  - 5.4.1 Primer:
    - 5.4.1.1 Tnemec Company 91-H20 Hydro-Zinc; dry mil thickness 3-3.5 mils. Stripe coat all weld seams with Tnemec Series 20HS-15BL Pota-Pox applied at 5 mils DFT to insure proper coverage of any surface irregularities.
  - 5.4.2 Second coat:
    - 5.4.2.1 Tnemec Company FC22-WHO8 Epoxoline; dry mil thickness 23-30 mils.
- 5.5 Recoat: following manufacturer's recommended time interval; if the maximum recoat time is exceeded, surface must be abraded by brush blasting prior to application of next coat.
- 5.6 Cure: follow manufacturer's recommended time for curing based on ambient air temperature and final cure time for immersion.
- 6. LOGO/STRIPE
  - 6.1 Paint in black letters on one side of tank; and village logo in black on other side per elevation and rendering drawings submit layout for approval by Owner.
  - 6.2 Submit layout and color samples for Owner's final selection of logo colors.
  - 6.3 Coat logo on 2 sides of tank.
    - 6.3.1 Apply 2 coats of exterior third coat as specified hereinbefore for the logo colors.
- 7. PAYMENT
  - 7.1 No separate payment will be made for work covered under this part of the specifications. Include all costs in unit and lump sum bid except as set forth below for Water Tower Recoating.

PART 6 - WASTE DISPOSAL

INDEX

- 1. WORK INCLUDED
- 2. WASTE
- 3. HAZARDOUS WASTE
- 4. PAYMENT

1. WORK INCLUDED

1.1 Furnish all materials, labor, and equipment to collect, contain and dispose of waste.

2. WASTE

2.1 Contractor shall clean up construction debris such as spent abrasive, coating chips, paper products, cans, and any other debris daily and provide containment for the debris; dispose of all debris at acceptable disposal site.

3. HAZARDOUS WASTE

3.1 Contractor shall protect surrounding ground in regulated area from contamination from blasting operation and other materials utilized in cleaning operation.

3.2 Contractor shall be fully responsible for cleanup, removal and disposal of used abrasives, coatings, solvents, coating containers and other wastes in accordance with Resource Conservation and Recovery Act (RCRA) and the Hazardous and Solid Waste Amendment (HSWA) to RCRA.

3.3 Contractor to collect hazardous waste and place in storage container; precaution must be taken to prevent release of lead removed waste into air, water, or soil; collect hazardous waste periodically during project and stockpile storage containers in temporary holding area at work site.

3.4 Contractor to provide documentation for the transportation and disposal of hazardous waste.

4. PAYMENT

4.1 No separate payment will be made for work covered under this part of the specifications. Include all costs in unit and lump sum bid for Water Tower Recoating.

PART 7 - DISINFECTION

INDEX

- 1. WORK INCLUDED
- 2. DESCRIPTION
- 3. TESTING
- 4. PAYMENT

1. WORK INCLUDED

- 1.1 Disinfect interior surfaces of Water Tower Recoating after painting prior to placing units in service.
- 1.2 Install all NEW gaskets on hatches prior to closing hatches to place units in service.

2. DESCRIPTION

- 2.1 Power spray entire interior of tank with 200 ppm Cl<sub>2</sub> solution; use hypochlorite solution; start with underside of tank roof and work downward; be sure that wet riser is adequately disinfected with pills and filling or other means; separate disinfection of wet riser may be required.
- 2.2 Fill tank to capacity and isolate for 24-hour period.
- 2.3 No work permitted inside tank after disinfection.

3. TESTING

- 3.1 After completion of disinfection Owner will collect bacteriological samples from tank and analyze samples; sample must test "SAFE"; if sample tests "UNSATISFACTORY" or "UNSAFE", repeat disinfection procedure. Contractor must have two (2) "SAFE" sample results, 24 hours apart.
- 3.2 Contractor will flush tank of disinfectant and dechlorinate wastewater.
- 3.3 Owner will furnish water for two fills; Contractor to pay cost of water for additional fills for failed bacteriological samples.

4. PAYMENT

- 4.1 No separate payment will be made for work covered under this part of the specifications except as set forth below. Include all costs in unit and lump sum bid for Water Tower Recoating .

PART 8 - SURFACE RESTORATION

INDEX

- 1. WORK INCLUDED
- 2. DESCRIPTION
- 3. DELIVERABLE
- 4. PAYMENT

1. WORK INCLUDED

1.1 Furnish all materials, labor, and equipment to seed all grass areas disturbed by construction.

2. DESCRIPTION

2.1 Prepare site for seeding by discing, harrowing and hand raking or other means following site grading; work soil to depth of 3".

2.2 Precede seeding with uniform application of commercial grade fertilizer at rate per acre of 20 lbs. of nitrogen, 40 lbs. of phosphorous and 20 lbs. of potassium (400 lbs. of fertilizer grade 5-10-5 per acre, or equal); cultivate area 3" deep and work with harrow within 24 hours before seeding; smooth surface to eliminate clods and lumps before seeding.

2.3 Seeding in urban street parking, lawns and developed areas, (Type 1):

2.3.1 Seed at rate of 2 lbs. per 1,000 SF with following mixture proportioned by weight:

<u>Seed</u>	<u>Percent</u>
Kentucky Bluegrass	35
Annual Rye	25
Perennial Rye	20
Creeping Red Fescue	10
Chewing Fescue	10

2.4 Seed between dates of August 1 and October 15 or between dates of April 1 and May 30.

2.5 Cover seed by rolling with cultipacker, or by dragging or hand raking.



2.6 Mulch all seeded areas; mulch: dry oat straw at rate of 4,000 lbs. per acre; stabilize mulch with tiller designed to anchor mulch to soil.

2.7 Water seeded area sufficiently seven (7) separate times to saturate seed bed.

3. DELIVERABLE

3.1 Contractor shall establish a full stand of grass to the Owner with an average of four plants per square inch.

4. PAYMENT

4.1 No separate payment will be made for work covered under this part of the specifications. Include all costs in the lump sum bid for Water Tower Recoating.

# Appendix A

Photos



































































































PITTSBURGH-DES MOINES  
STEEL COMPANY

CAP. 250 - 1123 - 520195 - 0

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YEAR ERECTED

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1963



























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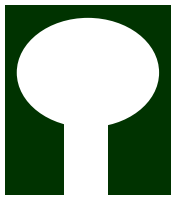
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# Appendix B

Inspection Report



**DIXON**  
**ENGINEERING, INC.**

5307 S. 92<sup>nd</sup> Street  
Suite 125  
Hales Corners, WI 53130  
Telephone (414) 529-1859  
Fax (414) 529-3120

January 8, 2016

Dave Toepper  
Village of Steger  
35 West 34<sup>th</sup> Street  
Steger, IL 60475

RE: Preliminary Maintenance Inspection Report

Mr. Toepper:

Please find enclosed the above referenced report for your 250,000 gallon toroellipse. The inspection was completed on December 02, 2015.

The report consists of 1) a cover page, 2) conclusions and recommendations, 3) the detailed report, 4) the field inspection report, 5) photos and descriptions, and 6) flash drive.

Brief explanation: 1) The cover page is self explanatory. 2) The conclusions and recommendations explain in short form what is found and what DIXON recommends if any repair or maintenance is necessary. 3) This section is the long report that goes into details to explain what exactly was found and why DIXON makes the recommendations. 4) Field inspection report (FIR) is the form that is filled in when the inspection team is on-site so the report can be written accurately. 5) Photographs and descriptions give the Owner a visual record of the condition of the tank and appurtenances. 6) The flash drive is an Adobe PDF format of the complete report and photos for your convenience.

If you have any questions or concerns, please call Brad Schotanus at 630-220-1410.

Thank you for choosing DIXON for your inspection needs.

DIXON ENGINEERING, INC.,

Thomas Van Gemert, Senior Engineer  
NACE Certified, AWS-CWI

Enclosure

**Members: Steel Structures Council  
American Water Works Association  
Consulting Engineers Council**

**Appendix B-1**

# Dixon Engineering, Inc.

Preliminary Maintenance Inspection

250,000 Gallon Legged

Steger, Illinois

Dixon Engineering, Inc.  
5307 S. 92nd Street, Suite 125  
Hales Corners, WI 53130  
Phone: (414) 529-1859  
Fax (414) 529-3120  
<http://www.dixonengineering.net>  
[Wisconsin@dixonengineering.net](mailto:Wisconsin@dixonengineering.net)

Inspection Performed: December 2, 2015  
Report Prepared: January 8, 2016

## **CONCLUSIONS:**

1. The exterior coating is presumed to be an epoxy urethane system that is in poor condition overall. The coating is extensively faded and the primary modes of deterioration are spot coating failures to the substrate with rust undercutting, delaminated topcoat, rust bleedthrough, and erosion. The coating has fair adhesion and there are numerous spot coating failures on the legs, riser, bowl, sidewall, and roof.
2. The wet interior coating is presumed to be a multi coat epoxy system that is in poor condition overall. Below the high water line the coating deterioration includes spot failures and blistering on the bowl, sidewall, and riser. Above the high water line, the coating is deteriorating at the open lap seams, at the cathodic protection lift holes, and on the roof stiffener edges with minor corrosion.
3. Two exterior and one wet interior coating samples were taken and analyzed for heavy metal content. Test results indicated the exterior is a lead and chrome bearing coating; the wet interior is not a heavy metal bearing coating.

## **RECOMMENDATIONS:**

1. Schedule regular cleanings and inspections of the tank by an independent third party as recommended by AWWA, or once every five years.
2. Complete the recommended work in two to five years. The coating work is the greatest cost and largest part of the recommendations. The repairs and upgrades should be completed during the next major tank rehabilitation process when coating repairs are made.
3. Abrasive blast clean the exterior to a commercial grade (SSPC-SP6) condition inside a dust tight flexible frame containment system and recoat with a polyurethane coating system. The estimated cost is \$200,000 plus \$80,000 for containment.
4. Abrasive blast clean the entire wet interior to a near white metal condition (SSPC-SP10) and apply a three-coat epoxy polyamide system. The estimated cost is \$90,000
5. After coating the wet interior, seam seal the roof lap joints with urethane caulk. The estimated cost is \$1,000.
6. Install cathodic clips and couplings for future installation of floating-type cathodic protection system. The estimated cost is \$2,000.
7. Trim trees, brush and shrubs from site to prevent foundation or paint damage on the structure; work can be performed by in-house personnel.
8. Re-grade the soil so rain water runs away from the foundations, work can be performed by in-house personnel.

9. Remove soil on the foundations to expose the top three inches of the foundations; work can be performed by in-house personnel.
10. Coat the foundations to help prevent further deterioration. Cost would be incidental to exterior painting.
11. Drill drainage holes in the balcony to prevent pooling of water. The estimated cost is incidental to tank rehabilitation.
12. Install a 42-inch high railing and a painter's rigging rail on the roof. The estimated cost is \$15,000.
13. Install rigging couplings on the roof at the existing painter's rigging rail for temporary fall prevention of workers in the wet interior. Cost would be incidental to the next paint project.
14. Install rigging couplings under the bowl, halfway between each leg and the riser. The couplings would be used by contractors for rigging safety lines during exterior work. Cost would be incidental to repainting costs.
15. Install a screened flap gate on the end of the overflow pipe. The estimated cost is \$2,000.
16. Re-weld the broken pipe braces and add additional braces for support. The estimated cost is \$1,000.
17. Install a concrete splash pad under the discharge end of the overflow pipe to prevent soil erosion and possible undermining of the foundation. The estimated cost is \$2,000.
18. Install a 36-inch diameter manway in the bottom of the riser. The estimated cost is \$9,000.
19. Replace the wet interior roof hatch with a 30-inch diameter hatch. The estimated cost is \$3,000.
20. Install a handhold at the roof opening for entering and exiting the opening. Cost would be incidental to the next paint project.
21. Replace the roof vent with a new frost-free pressure vacuum vent. The estimated cost is \$6,000.
22. Install a fall prevention device on the exterior leg ladder. The estimated cost is \$2,000.
23. Install a wet interior ladder with a fall prevention device. The estimated cost is \$10,000.
24. Replace the sidewall and roof ladder with a vertical ladder and a step-off platform. The estimated cost is \$10,000.

25. Install a vandal guard on the exterior ladder to prevent access. The estimated cost is \$2,000.
26. Install a deflector plate at the inlet. The estimated cost is \$1,000.
27. Install a siphon in the wet interior to completely drain the torus. The estimated cost is \$2,000.
28. Install a 42-inch high handrail around the top of the riser. The estimated cost is \$5,000

## **A DISCUSSION ON RESCUE AND RETRIEVAL OPERATIONS FROM ELEVATED LEG STORAGE TANKS**

A series of accidents involving falls from or in water tanks has highlighted inadequacies in water tower design and a potentially greater problem. The rescue may be more dangerous, with potential for more loss of life or injury, than the original accident. Contractors and engineers are responsible for their own employees, but even with safety training and proper equipment, accidents will occur. Most rescue squads are local or neighboring fire departments, with some departments having more practice than others. Water storage tanks are designed to store water, not for rescue or retrieval convenience. The following items would make working on and retrieval from water tanks safer. This discussion is offered as a starting point. We recommend that you meet with your rescue personnel and draft a rescue plan. A copy of the plan should be kept at the tank and with the rescue crew.

OSHA may soon require 30-inch manways and hatches with fall prevention on all ladders. Dixon Engineering has always objected to replacement of ladders especially on retrofit of existing tanks as new regulations are passed on a relatively frequent basis. We recommend the changes for the convenience and safety of your employees, rescue personnel, and others working on the structure. As far as we know, none of these conversion items recommended are required or mandated by any government agency for retrofits.

DIXON recommends these changes be made during the next major tank painting.

### RETRIEVAL FROM INTERIOR:

#### Current Access:

Access to the roof is from the leg ladder, the sidewall ladder, and the roof ladder. There is not a ladder in the wet interior from the roof hatch to the bowl area. All ladders are not equipped with a safe fall prevention device. There is an 18-inch manway in the bottom of the riser for access into the wet interior. The roof has a 24-inch roof hatch for the wet interior. There is no safety around the top of the riser in the bowl. There is no handrail on the roof.

#### Procedure:

1. Retrieval down through the riser is usually the safest method. Rescue personnel would gain access to the roof using the new ladders attached to new fall prevention devices. Access to the bowl would be through the new roof hatch and on the new wet interior ladder. Crew would remove the new vent from the top center of the tank and attach a winch or pulley system to a tripod set-up over the opening. On the roof, personnel would be working from inside the security of a roof railing around the center attachment area and the roof hatch.



2. The crew would raise and lower the basket through the riser and out the new 36-inch diameter manway at the bottom of the riser. Rescue personnel would also raise and lower all their equipment through the riser, and then leave the wet interior using the wet interior ladder with fall prevention.
3. The riser and the opening combination is too small for rescue basket removal. Instead of lowering the basket down the riser it would be raised to the roof. From the roof, it is possible to lower the basket over the side to ground level, but that would require a very large winch and increased loading on the attachment point. On a rainy, windy, or snowy day, the objective would be to get rescue personnel off the roof as soon as possible. A helicopter rescue from the roof would be required.

Modifications Necessary (As stated in the recommendations):

1. Install a 36-inch manway in the bottom of the riser.
2. Install a new sidewall ladder with a step-off platform.
3. Install a new 30-inch roof hatch.
4. Install a 42-inch high railing on the roof.
5. Install a new wet interior ladder.
6. Install a handrail around the riser.

Equipment:

Winch or pulley system and a tripod  
Tag line  
Basket

**COST SUMMARY:**

Exterior coat	\$200,000
Containment	80,000
Wet interior coat	90,000
Seal laps	1,000
Cathodic clips	2,000
Roof handrail with painters rail	15,000
Overflow flap gate	2,000
Re weld overflow supports	1,000
Concrete splash pad	2,000
New riser manway	9,000
New wet interior roof hatch	3,000
Pressure vacuum vent	6,000
Fall prevention device on leg ladder	2,000
Wet interior ladder	10,000
Vertical sidewall ladder and step off	10,000
Vandal guard	2,000
Fill pipe deflector	1,000
Siphon	2,000
Riser handrail	<u>5,000</u>
Total	\$443,000
Engineering and Contingencies	<u>57,000</u>
Total	\$500,000

## **INSPECTION:**

On December 2, 2015, Dixon Engineering, Inc., performed a preliminary maintenance inspection on the 250,000-gallon toroellipse owned by the Village of Steger, Illinois. Purposes of the inspection were to evaluate the interior and exterior coating's performance and life expectancy; assess the condition of metal surfaces and appurtenances; review safety and health aspects; and make budgetary recommendations for continued maintenance of the tank. All recommendations with budgeting estimates for repairs are incorporated in this report. The inspection was performed by Josh M. Grover, Staff Technician. The inspector was assisted by Paul Meer, Staff Technician and Tom Van Gemert, Senior Engineer. Following the inspection, chlorine was added to disinfect the tank per AWWA Standard C652-11 method No. 3.

## **TANK INFORMATION:**

The tank was built in 1963 by Pitt-Des Moines with a height to high water line of 125 feet. The tank is welded construction.

## **CONDITIONS AND RECOMMENDATIONS:**

### **EXTERIOR COATING CONDITIONS:**

The coating system is presumed an epoxy urethane system. There is aluminum coating under the topcoat. Generally most coatings do not adhere well to aluminum coatings which is why there is so much delamination on the tank.

The riser and leg coating is in poor condition. Primary methods of deterioration are spot coating failures to the substrate and delaminated topcoat. The coating deterioration is extensive with many failures.

The bowl coating is in poor condition. Primary methods of deterioration are spot coating failures to the substrate with rust undercutting and rust bleed through. The coating deterioration is extensive with many failures.

Coating on the top of the balcony is in poor condition. Primary method of deterioration is spot coating failures to the substrate. The coating deterioration is moderate with several failures.

The sidewall coating is in poor condition. Primary methods of deterioration are spot coating failures to the substrate with rust undercutting, rust bleed through, delaminated topcoat, and erosion. The coating deterioration is extensive with many failures.

The bowl is covered with moderate mildew growth.

The roof coating is in poor condition. Primary methods of deterioration are spot coating failures to the substrate with rust undercutting, delaminated topcoat, and erosion. The coating deterioration is extensive with several failures.

Fair adhesion was noted on the ASTM x-cut test areas, with up to 1/8-inch loss of topcoat to the substrate coat in areas tested. The tank is not a candidate for overcoating.

The coating was tested at 0.084 percent (840 ppm) lead by weight, 0.0016 percent (16 ppm) chromium by weight. These levels indicate that the coating is a heavy metal bearing coating. Special considerations will be needed during maintenance to avoid contamination of workers, and prevent generation of a hazardous waste.

Lettering on the tank consists of Steger 1896 to 1996 in two locations in block style.

#### **EXTERIOR COATING RECOMMENDATIONS:**

Plan and budget for total exterior coating removal and recoating in approximately two to five years. Fading will continue and more rust spots will occur, decreasing the tank's aesthetic appearance.

Remove the existing coating by dry abrasive blast cleaning the steel to a commercial grade (SSPC-SP6) and apply a polyurethane system. All blast work would be performed inside a dust tight flexible containment system using negative air pressure.

Since the existing coating is a lead and chromium based coating, during abrasive blast cleaning procedures the waste generated may be considered hazardous waste and groundwater leachable. In addition, the airborne particulate of spent abrasive and lead paint may be considered a threat to public health, not only to workers, but also to pedestrians, residences, and business owners in the immediate vicinity. Special provisions in project specifications will be necessary to address hazardous waste, worker safety and environmental concerns.

The coating system would consist of a full prime coat on the bare metal, a full coat of epoxy, followed by a two full coats of polyurethane. The polyurethane system offers excellent abrasion resistance with high gloss and sheen retention. The expected life of this system is fifteen years. The system can be recoated again in fifteen years, and a second time approximately fifteen years after the first recoating, extending the total life of the coating to approximately forty-five years before total removal would be necessary again. The tank would be removed from service during the painting project. This is necessary to reduce moisture condensation on the tank's surface. Polyurethane coatings have a minimum temperature requirement for application and are sensitive to moisture during the curing process. If moisture is present during the curing process, the appearance will become cloudy with little or no gloss. The estimated cost to abrasive blast clean and recoat with an epoxy polyurethane system is \$200,000 plus \$80,000 for containment.

#### **WET INTERIOR COATING CONDITIONS:**

The coating is presumed an epoxy system.

The roof coating is in fair condition overall with the primary areas of deterioration along the lap seams, the stiffener edges, and in the crevices. The tank's roof contains open lap seams that have started to rust and streak. Staining is typical for a tank of this construction where the lap seams are open and not seal welded or caulked. Staining in the lap seams is not a concern, but should be monitored during future inspections for corrosion growth. Roof stiffener edge corrosion is typical but should be corrected before structural loss of steel occurs.

The sidewall coating is in poor condition with deterioration in the form of spot coating failures and blisters. There is not any significant damage at the high water line, which would be the area most affected by ice pressures and ice movement. The failures are moderate with several failures.

The coating on the bowl is in poor condition with deterioration in the form of spot coating failures. The failures are moderate with several failures.

There was no siphon in the torus so it remained full of water and mud after draining the tank. The bowl was covered with approximately 1/4-inch of sediment that was flushed from the interior with the water remaining in the torus.

The coating on the riser is in fair condition with deterioration in the form of spot coating failures. The failures are moderate with several failures.

The sidewall, bowl, and riser are covered with mineral staining which does not affect the integrity of the coating system.

The coating was tested at below the reporting limit with lead by weight, and chromium by weight. These coatings are not heavy metal bearing coatings.

#### **WET INTERIOR COATING RECOMMENDATIONS:**

Remove the coating system by abrasive blast cleaning the metal to a near white grade (SSPC-SP10) and apply an epoxy coating system. Wet interior coating systems are to be approved for potable storage tanks contingent upon meeting requirements of National Sanitation Foundation Standard 60/61.

DIXON recommends application of epoxy coating systems in most applications because they have good adhesion and abrasion resistant qualities. Their drawbacks include a minimum application temperature of 50°F (35°F for fast cure), and long cure times. A typical cure time can be seven days at 70°F and up to twenty-eight days at 35°F. The estimated cost to apply the three-coat epoxy system is \$90,000.

After coating the roof, use a urethane caulk to fill gaps between roof sheets. The caulk will fill open joints and seal edges, extending the life of the wet interior coating. The estimated cost is \$1,000.

### **CATHODIC PROTECTION CONDITIONS:**

The tank does not have clips and a pressure fitting installed for a future cathodic protection installation.

There are cathodic protection caps on the roof that cover the access holes for the hanging wire system. These caps are kept in place with a single bolt and they tend to shift creating an opening in the roof. All of the caps were properly aligned during the inspection.

The existing system is a hanging wire system with insulators on the end of the wire suspended from the roof. The system appears to be in good condition.

During the inspection there was not visible damage to any of the wires or reference anodes.

The system appeared to be working properly

### **CATHODIC PROTECTION RECOMMENDATIONS:**

Continue operation of the submerged cathodic protection. Have a qualified contractor maintain the system.

Install clips and a pressure fitting for the future installation of a floating ring system. Estimated cost is \$2,000.

Install an impressed current cathodic protection system in three to five years after interior coating is completed. The system is designed with a horizontal ring configuration suspended into the lower one-third of the tank connected to the sidewall, with a section routed through the riser. This design is considered ice-free, formation of ice normally occurs at the high water level and some along the sidewall. As long as the tank is operated in the upper one-half of its capacity, the probability of ice damage is very low. The anode used is a platinized niobium or titanium wire with a design life of approximately ten years. The system also incorporates copper/copper sulfate reference anodes.

The system is automatically controlled by monitoring the water-to-tank potential. It provides protection to steel surfaces where holidays (coating pinholes) or coating failures exist. Cathodic protection operates by inhibiting galvanic cell corrosion where steel is exposed. The system creates an equipotential across the tank and drives the tank potential down to a point (-850 millivolts) where corrosion is essentially non-existent. Only surfaces that are in contact with water are protected because water acts as the electrolyte for the circuit. Therefore, areas of the roof and upper sidewall are not protected by the system. The estimated cost is \$20,000.

**PIT AND PIT PIPING CONDITIONS:**

There is piping with a valve in the pump house.

The piping is in good condition, coating on the piping is in fair condition.

**SITE CONDITIONS:**

The size of the tank site is small and is fenced.

There is residential development to the north, commercial development to the east, open woods to the south, and train tracks to the west.

The neighbors are close to the tank and extra precautions will need to be taken to keep from getting paint or debris on the neighbors' properties.

Tree branches are encroaching on the tank. The branches and shrubs would interfere with containment.

Power lines are located approximately fifty feet away from the tank and would interfere with containment.

**SITE RECOMMENDATIONS:**

Cut the tree limbs and remove shrubs are encroaching on the foundations to prevent further damage.

Remove soil at the foundation to expose the top three inches of the foundation; work can be performed by in-house personnel.

Relocate the power lines underground, the power lines would interfere with containment needed for exterior work.

**FOUNDATION CONDITIONS:**

The top 0-12 inches of the leg foundations are exposed.

None of the riser foundation is exposed. Soil is covering the foundation.

The exposed concrete foundations are in good condition and showed minor deterioration with some spalls.

**FOUNDATION RECOMMENDATIONS:**

Pressure wash the concrete and coat the exposed concrete to help prevent further deterioration with an epoxy coating system. The cost would be incidental to exterior painting.

**GROUT CONDITIONS:**

The grout is in good condition with none damaged or missing.

**BALCONY CONDITIONS:**

The exterior balcony is a walkway that surrounds the sidewall that is in good condition. The balcony is 30 inches wide with a 36-inch high handrail. The handrail consists of diagonal angles and a kick plate at the balcony floor.

The exterior balcony acts as a sidewall stiffener.

The exterior balcony does not contain sufficient drainage holes and water is pooling on the walkway. The balcony floor is covered with excessive bird droppings, creating an acidic condition expediting corrosion on the surface.

**BALCONY RECOMMENDATIONS:**

Drill holes in the balcony to drain water and prevent water from ponding on the top of the balcony. The cost is incidental to tank rehabilitation.

**ROOF HANDRAIL AND PAINTER'S RAILS:**

There are no roof rigging couplings for safety and staging lines during wet interior paint work.

The tank has no roof handrail or painter's rigging rail.

**ROOF HANDRAIL AND PAINTER'S RAIL RECOMMENDATIONS:**

Install a 42-inch high railing on the roof. The railing would allow tie-off locations, safety during routine vent screen, aviation light inspections, and would provide a work area for retrieval personnel performing roof extraction. The railing should provide sufficient area to rest a basket for a helicopter lift, or for stabilizing before lowering down through the wet interior. Install a painter's rail outside the railing so contractor rigging does not interfere with the railing's interior clear area. The estimated cost is \$15,000.

Install rigging couplings on the roof under the painter's rail for fall prevention of workers in the wet interior. The couplings would allow a contractor working in the wet interior to be tied-off to a fall prevention device at all times. The cost would be incidental to the recoating.

**SWAY ROD/BOWL SAFETY CONDITIONS:**

The tank has sway rods and struts that connect between legs. The rods are intended to keep the legs in alignment. The sway rods and struts are in good condition.



The coating on the sway rods and struts is in fair condition with minor coating failures and surface rust on the rods and turnbuckles, and on the topside of the struts.

Because of the inaccessibility of the upper sway rods, the tension could not be determined at every bay. However, based on the accessible bay it appears that the rods are in tension as designed.

The tank has riser tie rods that extend from the leg columns to the riser with angle iron connections. The rods help keep the legs and riser in alignment. The riser tie rods are in good condition.

There are no rigging couplings under the bowl for safety line attachments during exterior coating.

#### **SWAY ROD/BOWL SAFETY RECOMMENDATIONS:**

Install rigging couplings on the bowl halfway between each leg and the riser. The couplings would be used by contractors for rigging safety lines. Currently the contractor has no separate, independent tie off location for safety lines. The rigging and safety lines are tied to the same location. Cost would be incidental to repainting costs.

#### **OVERFLOW PIPE CONDITIONS:**

The tank has an 8-inch diameter overflow pipe that exits the roof knuckle, extends down along the sidewall, through the balcony, and down along a leg to ground level.

The discharge end of the overflow pipe is screened. The screen is in good condition.

The pipe discharges to a splash pad with the required air gap. The discharge area is in poor condition. Extensive soil erosion was found.

Several of the pipe supports are cracked.

#### **OVERFLOW PIPE RECOMMENDATIONS:**

Install a screened flap gate on the overflow pipe discharge. The flap gate would allow water to discharge even if the screen becomes plugged or frosted over. It is designed to stay closed to prevent rodents or birds from entering the pipe. The estimated cost is \$2,000.

Level the area of the overflow discharge. Install a splash pad to prevent any further soil erosion. The estimated cost is \$2,000.

Re-weld the pipe braces, and add additional braces for support. The estimated cost is \$1,000.

### **HATCH AND MANWAY CONDITIONS:**

The tank has a 24-inch diameter flip-top roof access hatch to the wet interior. The hatch is in good condition. There is not a handhold next to the hatch to aid in entering and exiting the opening.

The wet interior roof hatch was secured with a wire.

The tank has an 18-inch diameter access manway in the riser that is in good condition.

The manway is not hinged; the gasket showed no signs of leaking.

### **HATCH AND MANWAY RECOMMENDATIONS:**

Install a 36-inch manway in the riser, average rescue baskets will not pass through the existing manway. The estimated cost is \$9,000.

Replace the wet interior roof access hatch with a new 30-inch curbed hatch. Average rescue baskets and rescue personnel wearing equipment will not pass through the existing hatch. The estimated cost is \$3,000.

Install a handhold at the roof opening for entering and exiting the opening. Cost would be incidental to the next paint project.

### **VENT CONDITIONS:**

The roof vent is an 18-inch flow-through design; the vent is in good condition.

The vent is not properly screened. The screen has sagged and left gaps. Gaps are large enough to allow birds and insects to enter the wet interior, there was no evidence of entry.

### **VENT RECOMMENDATIONS:**

Replace the roof vent with a new, screened pressure vacuum vent. The new vent can be bolted to a new neck that is welded to the roof.

The vent has movable plates that would allow air to flow in and out of the tank even if the screens become plugged or frosted over. The vent can be removed during painting or rescue operation for additional light and ventilation. The estimated cost is \$6,000.

Annually inspect the roof vent for tears and gaps in the screen, and to ensure the pressure plate is free to move.

### **LADDER CONDITIONS:**

The tank has an exterior leg ladder that starts approximately 20 feet above ground level and extends up to the balcony. The leg ladder is equipped with a under sized cable-type fall prevention device that is in poor condition.

The tank has a fixed sidewall ladder. The sidewall ladder is equipped with a under sized cable-type fall prevention device that is in poor condition

The tank has a revolving roof ladder that is in good condition and is equipped with a under sized cable-type fall prevention device that is in poor condition. The revolving roof ladder attaches around the vent pipe in the center of the roof, the connection point is in good condition.

There is no ladder in the wet interior.

### **LADDER RECOMMENDATIONS:**

The revolving roof and sidewall shell ladder should be replaced with a vertical sidewall ladder that runs up to a step-off platform with handrails surrounding the roof hatch. The step-off platform and railing will provide a safe working area around the roof hatch. Estimated cost is \$10,000.

Install a properly sized cable-type fall prevention device on the exterior leg ladder. The estimated cost is \$2,000.

Install a vandal guard on the ladder to prevent access. The estimated cost is \$2,000.

Install a ladder in the wet interior with a new fall prevention device. The estimated cost is \$10,000.

### **FILL PIPE CONDITIONS:**

The fill pipe ends at the bottom of the riser and extends three feet into the bottom riser plate. There is not a deflector over top of the pipe.

### **FILL PIPE RECOMMENDATIONS:**

Install a deflector plate over the end of the fill pipe to prevent debris or ice from plugging the opening. The estimated cost is \$1,000.

### **WET INTERIOR SAFETY:**

There is no safety around the riser opening.

**WET INTERIOR SAFETY RECOMMENDATIONS:**

Install a 42-inch high handrail around the top of the riser at the edge of the torus. The estimated cost is \$5,000.

**WET INTERIOR METAL CONDITIONS:**

The steel structure is in good condition above the high water line and in good condition below it.

No pitting was found at the existing coating failures on the bowl, sidewall, or access tube.

The interior roof is supported by twelve radial stiffeners that are in good condition with minor corrosion in the crevices and at the edges.

The tank contains a five stiffeners located at the leg junctions of the sidewall. They are in good condition. The coating is in poor condition.

## ANALYTICAL LABORATORY REPORT

Monday, December 7, 2015

Page 1 of 2

**CUSTOMER:** Dixon Engineering - WI  
5307 S. 92nd St. Suite 125  
Hales Corners, WI 53130

**DATE RECEIVED:** Friday, December 4, 2015  
**PO/PROJECT #:**  
**SUBMITTAL #:** 2015-12-04-015

**LAB NUMBER: AC05464**

**Sampled By:** Tom Van Gemert  
**Job Location:** Steger IL  
**Sample Identification:** 1 - Exterior Leg

**Date Sampled:** Wednesday, December 2, 2015  
**Sample Description:** Paint Chips

**Preparation Method:** EPA 3050B-P-M (Acid Digestion for Paints)  
**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)  
**Date Analyzed:** Friday, December 4, 2015

ELEMENT	RESULT (by dry weight)	REPORTING LIMIT (RL)
Cadmium	< RL	0.00075 %
Chromium	< RL	0.0013 %
Lead	< RL	0.0025 %

**LAB NUMBER: AC05465**

**Sampled By:** Tom Van Gemert  
**Job Location:** Steger IL  
**Sample Identification:** 2 - Exterior Roof

**Date Sampled:** Wednesday, December 2, 2015  
**Sample Description:** Paint Chips

**Preparation Method:** EPA 3050B-P-M (Acid Digestion for Paints)  
**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)  
**Date Analyzed:** Friday, December 4, 2015

ELEMENT	RESULT (by dry weight)	REPORTING LIMIT (RL)
Cadmium	< RL	0.00075 %
Chromium	0.0016 %	0.0013 %
Lead	0.084 %	0.0025 %

**LAB NUMBER: AC05466**

**Sampled By:** Tom Van Gemert  
**Job Location:** Steger IL  
**Sample Identification:** 3 - Wet Interior  
**Flagged Data:** Sample size less than the minimum required for analysis.

**Date Sampled:** Wednesday, December 2, 2015  
**Sample Description:** Paint Chips

**Preparation Method:** EPA 3050B-P-M (Acid Digestion for Paints)  
**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)  
**Date Analyzed:** Friday, December 4, 2015

ELEMENT	RESULT (by dry weight)	REPORTING LIMIT (RL)
Chromium	< RL	0.018 %
Lead	< RL	0.035 %

CCC&L has obtained accreditation under the programs detailed on the final page of the laboratory report. The accreditations pertain only to the testing performed for the elements, and in accordance with the test methods, listed in the scope of accreditation table. Testing which is performed by CCC&L according to other test methods, or for elements which are not included in the table fall outside of the current scope of laboratory accreditation.

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**ANALYTICAL LABORATORY REPORT**

Monday, December 7, 2015

Page 2 of 2

**CUSTOMER:** Dixon Engineering - WI  
5307 S. 92nd St. Suite 125  
Hales Corners, WI 53130

**DATE RECEIVED:** Friday, December 4, 2015  
**PO/PROJECT #:**  
**SUBMITTAL #:** 2015-12-04-015

Unless otherwise noted, the condition of each sample was acceptable upon receipt, all laboratory quality control requirements were met, and sample results have not been adjusted based on field blank or other analytical blank results. Individual sample results relate only to the sample as received by the laboratory.

**Tests Reviewed By:** Michael J. Swiech, QA/QC Manager

*Michael J Swiech* Michael J Swiech  
2015.12.07 10:32:52 -05'00'

CCC&L has obtained accreditation under the following programs:

- **National Lead Laboratory Accreditation Program (NLLAP)**  
ELLAP: AIHA-LAP Laboratory ELLAP Accreditation Program Laboratory, ID#101030 ([www.aihaaccreditedlabs.org](http://www.aihaaccreditedlabs.org))  
OH: Ohio Department of Health Lead Poisoning Prevention Program, Approval #E10013 ([www.odh.ohio.gov](http://www.odh.ohio.gov))
- **AIHA-LAP Laboratory IHLAP Accreditation Program** ([www.aihaaccreditedlabs.org](http://www.aihaaccreditedlabs.org))  
IHLAP: Laboratory ID#101030
- **National Environmental Laboratory Accreditation Program (NELAP)**  
NY: State of New York Department of Health, Laboratory ID#11609 (Serial # 52445 - 52447, 52449, 52795) (518-485-5570)  
LA: State of Louisiana Department of Environmental Quality, Laboratory ID#180321 (Certificate 05036) ([www.deq.louisiana.gov](http://www.deq.louisiana.gov))  
OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2015-059) ([www.deq.state.ok.us](http://www.deq.state.ok.us))

Testing which is performed by CCC&L according to test methods, or for elements which are not included in the table below fall outside of the current scope of laboratory accreditation. Customers are encouraged to verify the current accreditation status with the individual accreditation programs by calling or visiting the appropriate website for the applicable program.

**SCOPE OF ACCREDITATION**

**Air and Emissions**

<u>Element/Test</u>	<u>Method</u>	<u>Accreditation(s)</u>
Suspended Particulates: PM10 / TSP	40 CFR 50 Appendix J / 40 CFR 50 Appendix B	NY, LA
Lead in Airborne Dust	NIOSH 7300	ELLAP, OH, NY, LA
Lead in Airborne Dust	EPA 600/R-93/200/ EPA 6010C	ELLAP, OH
Metals in Airborne Dust	EPA 600/R-93/200/ NIOSH 7300/ EPA 6010C	IHLAP
Surface Coating: Density	ASTM D1475	NY
Surface Coating: Percent Solids	ASTM D2697	NY
Surface Coating: Percent Water	EPA 24	NY
Surface Coating: Volatile Content	EPA 24 / ASTM D2369	NY

**Solid Chemical Materials**

<u>Element/Test</u>	<u>Method</u>	<u>Accreditation(s)</u>
TCLP	EPA 1311(Sample Preparation Method)	NY, LA, OK
Lead in Soil	EPA 3050B/ EPA 6010C	ELLAP, OH, NY, LA, OK
Lead in Paint	EPA 3050B/ EPA 6010C	ELLAP, OH, NY, LA
Lead in Paint	ASTM D 3335-85A/ EPA 6010C	NY
Lead in Dust Wipes	EPA 3050B/ EPA 6010C	NY, LA
Lead in Dust Wipes	EPA 600/R-93/200/ EPA 6010C	ELLAP, OH
Ignitability	EPA 1010A	NY

**Non-Potable Water / Analysis by ICP**

**Solid Chemical Materials**

<u>Element/Test</u>	<u>Method</u>	<u>Accreditation(s)</u>	<u>Method</u>	<u>Accreditation(s)</u>
Arsenic	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA
Barium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA
Cadmium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA
Chromium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA
Copper	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA
Lead	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Mercury	EPA 245.1 Rev.3/ EPA 7470A	NY, LA, OK	EPA 7471B	NY, LA
Nickel	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA
Selenium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA
Silver	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA
Zinc	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA
Cobalt	—	—	EPA 6010C	NY, LA
Manganese	—	—	EPA 6010C	NY, LA
Acid Digestion	EPA 3010A	NY, LA	EPA 3050B	NY, LA

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**DIXON ENGINEERING, INC.**  
**STEEL TANK FIELD INSPECTION REPORT**  
**LEGGED TANK**

DATE: December 2, 2015

OWNER: Village of Steger  
CLIENT CODE: 13-99-03-01  
LOCATION: Street: 31<sup>st</sup> Street  
City: Steger  
State: Illinois  
GPS coordinates: N 41° 28' 30.4" W 87° 38' 03.0"  
Ground elevation (Above MSL): 730 feet  
TANK SIZE: Capacity: 250,000 gallons  
Height to bottom (LWL): 95 feet  
Height to overflow (HWL): 125 feet  
Head range: 30 feet  
CONSTRUCTION:  
Welded  
Type of structure: Toro ellipse  
Type of Roof: Hemisphere  
Type of Bowl: Torus  
DATE CONSTRUCTED: 1963  
MANUFACTURER: Pitt-Des Moines  
CONTRACT NUMBER: 23612

PERSONNEL: Inspector Josh Grover, Top person Paul Meer, Ground person Tom Van Gemert  
TYPE OF INSPECTION: Preliminary Maintenance  
METHOD OF INSPECTION: Dry

**SITE CONDITIONS**

Fenced: Yes  
Site large enough for contractor's equipment: No  
Control building: Yes  
Antenna control site: No  
SCADA controls: Yes  
Location of antenna: Building  
Site conditions: Well maintained  
Neighborhood:  
North: Residence  
East: Commercial  
South: Open/Woods  
West: Train Tracks  
Power lines within 50 feet: Yes  
Are power lines attached to the structure: No  
Would power lines interfere with containment: Yes

Site drainage: **Toward tank**  
Indications of underground leakage: **No**  
Shrub, tree, etc. encroachment: **Yes**  
Rubbing on the Tank: **No**  
Interference with future containment: **Yes**

**EXPOSED PIPING:**

Location: **Adjacent to tank (in control building)**  
Condition of structure: **Good**  
Structure is: **Dry**  
Pump present: **No**  
Door condition: **Good**  
Locked: **Yes**  
Altitude valve: **Yes**  
Condition of pipe coating: **Fair**  
Describe coating: **Spot coating failures to substrate and rust bleedthrough.**  
Condition of metal: **Good**

**FOUNDATION**

**Riser:**

Foundation exposed: **No**  
Exposed height: **None**  
Indications of foundation settlement: **No**  
Undermining of foundation: **No**  
Riser foundation comments: **The riser is completely covered with grass and soil.**

**Legs:**

Foundations exposed: **Yes**  
Exposed height: **0-12 inches**  
Exposed foundation condition: **Good**  
Damage or deterioration: **Yes**  
Type of damage: **Spalls**  
Severity: **Minor, less than 1/8 inch deep**  
Total spall area: **Greater than 1 square foot**  
Foundation coated: **No**  
Type of base-plate gap filler: **Grout**  
Condition: **Good**  
Filler missing: **No**  
Indications of foundation settlement: **No**  
Undermining of foundation: **Yes**  
Leg foundation comments: **There is undermining at the overflow pipe only.**



## **EXTERIOR COATING**

### **Legs:**

Number: **5**

Type: **Tubular**

Dimensions: **24 inches**

Topcoat condition: **Poor**

Previous coat condition: **Fair**

Describe coating: **Chalking, fading, spot coating failures to substrate, and delamination. There is aluminum coating under topcoat.**

Dry film thickness: **11-14 mils**

Coating adhesion: **4A**

Metal condition: **Good**

### **Riser:**

Type: **Wet**

Diameter: **48 inches**

Exterior connection to tank: **Good**

Topcoat condition: **Poor**

Previous coat condition: **Fair**

Describe coating: **Chalking, fading, delaminating, spot coating breaks to substrate, rust undercutting, erosion, and rust bleedthrough. There is aluminum coating under topcoat.**

Mildew growth: **No**

Dry film thickness: **13-19 mils**

Coating adhesion: **4A**

Metal condition: **Good**

### **Bowl:**

Topcoat condition: **Poor**

Previous coat condition: **Poor**

Describe coating: **Chalking, fading, spot coating failures to substrate, rust undercutting, and rust bleedthrough. There is aluminum coating under topcoat.**

Mildew growth: **Yes**

Amount: **Moderate**

Metal condition: **Good**

### **Sidewall:**

Lettering: **Yes**

Number: **2**

Lettering Content: **Steger 1896 1996**

Style: **Block**

Logo: **No**

Topcoat condition: **Poor**

## EXTERIOR COATING

Previous system condition: Fair

Describe coating: Chalking, fading, delaminating, spot coating failures to substrate, rust undercutting, erosion, and rust bleedthrough. There is aluminum coating under topcoat.

Dry film thickness: 12-17 mils

Coating adhesion: 2A

Metal condition: Good

### Roof:

Topcoat condition: Poor

Previous system condition: Fair

Describe coating: Chalking, fading, delaminating, spot coating failures to substrate, rust undercutting, and erosion. There is aluminum coating under topcoat.

Dry film thickness: 12-18 mils

Coating adhesion: 2A

Metal condition: Good

## EXTERIOR APPURTENANCES

### Riser access:

Type: Bottom manway

Dimensions: 18 inches in diameter

Coating condition: Poor

Metal condition: Good

Hinged: No

### Anchor bolts:

Number of bolts per leg: 2

Diameter: 1 1/4-inch

Coating condition: Poor

Metal condition: Fair

Number of riser bolts: 8

Diameter: 1 1/4-inch

Anchor bolt chairs: No

Coating condition: Fair

Metal condition: Good

### Overflow pipe:

Inside diameter: 8 inches

Coating condition: Poor

Metal condition: Good

Condition of screen: Good

Percent of screen open: 99

Flap gate: No

## **EXTERIOR APPURTENANCES**

Air gap: **Yes**

Highest part of discharge to the ground distance: **12 inches**

Splash pad: **Yes**

Type: **Concrete pad**

Condition: **Fair**

Overflow comments: **Several pipe supports are cracked.**

### **Mud valve:**

**N/A**

### **Leg ladder:**

Height to start of ladder: **20 feet**

Toe clearance: **7 inches or greater**

Width of rungs: **15 inches**

Thickness of rungs: **5/8-inch**

Shape of rungs: **Round**

Coating condition: **Poor**

Metal condition: **Good**

Fall prevention device: **Yes**

Type: **Cable**

Condition: **Poor**

Cage: **No**

Vandal Guard: **No**

Step off platform: **No**

Ladder comments: **The cable is 1/4-inch**

### **Struts and Rods:**

Number of bays: **3**

Sway rod coating condition: **Good**

Metal condition: **Good**

Loose Rods: **No**

Strut coating condition: **Fair**

Metal condition: **Good**

Riser rod coating condition: **Fair**

Metal condition: **Good**

Connection to riser: **Angle**

### **Rigging points:**

**N/A**

### **Balcony:**

Balcony width: **30 inches**

Railing height: **36 inches**

Mid-rail style: **Diagonals**

Kickplate height: **3 inches**

## EXTERIOR APPURTENANCES

Top Rail: Angle  
Size: 2 x 2 1/2 inches  
Diagonal: Angle  
Size: 2 x 2 inches  
Connection to tank: Good  
Opening for access: Yes  
Size: 17 1/2 inches  
Handhold at opening : Yes  
Missing any bolts or rivets: Yes (missing 2)  
Number of penetrations: 1  
Penetrations reinforced: No  
Penetration uses: Overflow pipe  
Coating condition: Poor  
Describe coating: Chalking, fading, and spot coating failures to substrate.  
Metal condition: Good  
Accumulation of bird droppings: No  
Evidence of water pooling: Yes

### Antennas:

N/A

### Sidewall ladder:

Design: Fixed  
Coating condition: Poor  
Metal condition: Good  
Toe clearance: 7 inches or greater  
Width of rungs: 15 inches  
Thickness of rungs: 5/8-inch  
Shape of rungs: Round  
Fall prevention device: Yes  
Type: Cable  
Condition: Poor  
Cage: No  
Sidewall ladder comments: The cable is 1/4-inch.

### Step-off platform:

N/A

### Roof ladder:

Continuation of sidewall ladder  
Design: Revolving  
Coating condition: Poor  
Metal condition: Good  
Toe clearance: 7 inches or greater  
Width of rungs: 15 inches

## **EXTERIOR APPURTENANCES**

Thickness of rungs: **5/8-inch**

Shape of rungs: **Round**

Fall prevention device: **Yes**

Type: **Cable**

Condition: **Poor**

Cage: **No**

Roof ladder comments: **Side rails present and there is 1/4-inch cable for fall prevention device.**

### **Roof handrail:**

**N/A**

### **Painter's rail:**

**N/A**

### **Roof hatches:**

Wet interior:

Neck size: **24 inches**

Distance from center of the tank (to outer edge): **15 feet**

Shape: **Round**

Handhold at opening: **No**

Hatch security: **Wire**

Exterior coating condition: **Poor**

Interior coating condition: **Poor**

Metal condition: **Good**

Dry interior:

**N/A**

### **Bolted ventilation hatch:**

**N/A**

### **Access Tube Air Gap:**

**N/A**

### **Roof vent:**

Number: **1**

Type: **Flow-through**

Neck diameter: **18 inches**

Vent material: **Steel**

Coating condition: **Poor**

Metal condition: **Good**

Screen condition: **Fair**

Percent of screen open: **99**

## **EXTERIOR APPURTENANCES**

### **Aviation lights:**

**N/A**

### **Removable cathodic caps:**

Number: **8**

Coating condition: **N/A**

Metal condition: **N/A**

Aligned: **Yes**

Cathodic cap comments: **The caps are plastic.**

### **Roof rigging points:**

**N/A**

## **WET INTERIOR COATING**

### **Roof:**

Topcoat condition: **Fair**

Primer coating condition: **Fair**

Describe coating: **Spot coating failures to substrate, rust undercutting, and rust bleedthrough.**

Metal condition: **Good**

Lap seams: **Open**

Condition of laps: **Good**

### **Sidewall:**

Topcoat condition: **Poor**

Primer coating condition: **Poor**

Describe coating: **Spot coating failures to substrate and blisters.**

Mineral deposits: **Heavy**

Metal condition: **Good**

Active pitting: **No**

Previous pitting: **No**

### **Access tube:**

**N/A**

### **Tank bottom:**

Type: **Torus**

Topcoat condition: **Fair**

Primer coating condition: **Fair**

Describe coating: **Spot coating failures to substrate.**

Mineral deposits: **Light**

Metal condition: **Good**

Active pitting: **No**

Previous pitting: **No**

Depth of sediment: **1/4-inch**

## **WET INTERIOR COATING**

### **Riser:**

Topcoat condition: **Fair**  
Primer coating condition: **Fair**  
Describe coating: **Spot coating failures to substrate.**  
Mineral deposits: **Light**  
Metal condition: **Good**  
Active pitting: **No**  
Previous pitting: **No**  
Depth of sediment: **2 1/2 feet**

## **WET INTERIOR APPURTENANCES**

### **Tank ladder:**

**N/A**

### **Cathodic protection:**

Type: **Hanging (from roof)**  
Location of controls: **On exterior leg**  
System condition: **Good**  
Ropes damaged: **No**  
Wires damaged: **No**  
System functioning: **Yes**

### **Fill pipe:**

Diameter: **8 inches**  
Height above floor: **3 feet**  
Deflector over end: **No**  
Removable silt ring: **No**  
Mixing system: **No**  
Coating condition: **Fair**  
Metal condition: **Good**

### **Separate draw pipe:**

**N/A**

### **Overflow pipe:**

Type: **Weir box**  
Coating condition: **Fair**  
Metal condition: **Good**

### **Roof stiffeners:**

Radial:  
Number : **12**  
Dimensions: **3 x 5 inches**  
Shape: **Angle**  
Connections: **Bolted**

## **WET INTERIOR APPURTENANCES**

Ring :

Number : **1**

Shape: **Angle**

Coating condition: **Poor**

Metal condition: **Good**

### **Sidewall stiffeners:**

Vertical Stiffeners: **Yes (# 5)**

Coating condition: **Poor**

Metal condition: **Good**

Sidewall beam comments: **The sidewall stiffeners are at the leg junctions on the sidewall.**

### **Riser safety:**

**N/A**

Riser grate: **No**

### **Siphon:**

**N/A**

### **Interior platform:**

**N/A**

### **Spider:**

**N/A**

Field Inspection Report is prepared from the contractor's viewpoint. It contains information the contractor needs to prepare his bid for any repair or recoating. The engineer uses it to prepare the engineering report. Cost estimates are more accurate if the contractor's problems can be anticipated. While prepared from the contractor's viewpoint, the only intended beneficiary is the owner. These reports are completed with diligence, but the accuracy is not guaranteed. The contractor is still advised to visit the site.





1. The 250,000 gallon torroellipse is located on 31st Street in Steger, Illinois.



2. The exterior leg foundation is in good condition with minor deterioration.

3. The exterior leg grout is in good condition.



4. The exterior leg anchor bolt coating is in poor condition.



5. The exterior overflow pipe coating is in poor condition.

6. The exterior overflow pipe screen is in good condition.



7. The exterior leg coating is in poor condition.



8. Extensive topcoat delamination was found on the legs.

9. The exterior leg ladder coating is in poor condition.



10. The exterior riser foundation is 100% covered with grass and soil.



11. The exterior riser anchor bolt coating is in fair condition.

12. The wet interior riser manway coating is in poor condition



13. The exterior riser coating is in poor condition.



14. The exterior strut coating is in fair condition.

15. The exterior bowl coating is in poor condition.

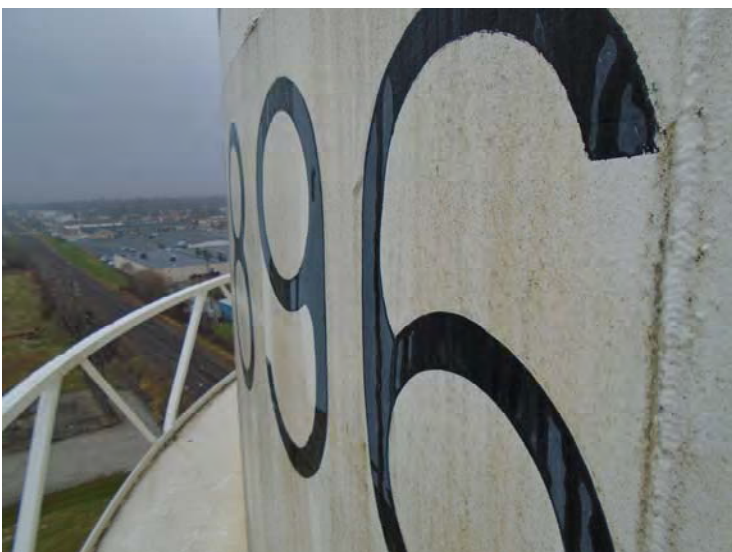


16. Same.



17. The exterior balcony coating is in poor condition.

18. Same.



19. The exterior sidewall coating is in poor condition.



20. Extensive rust bleedthrough was found on the sidewall.

21. The exterior roof ladder coating is in poor condition.



22. The exterior roof coating is in poor condition.





23. The exterior roof coating is in poor condition.

24. The exterior roof vent coating is in poor condition.

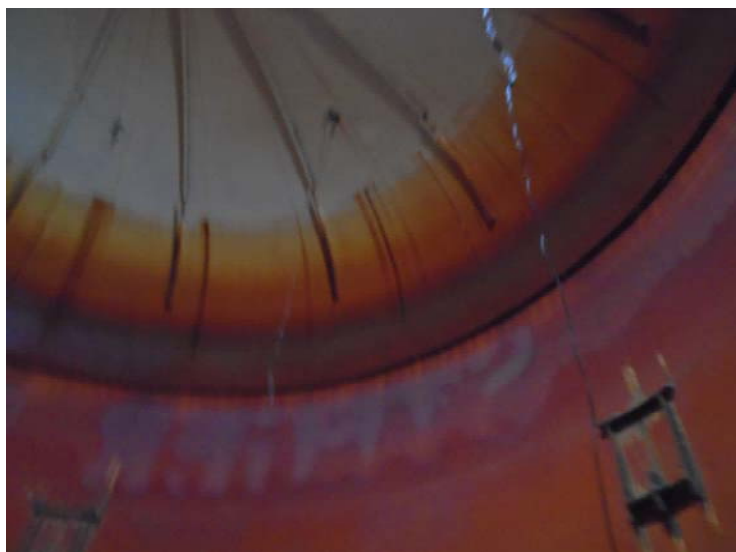


25. The vent screen is in fair condition.

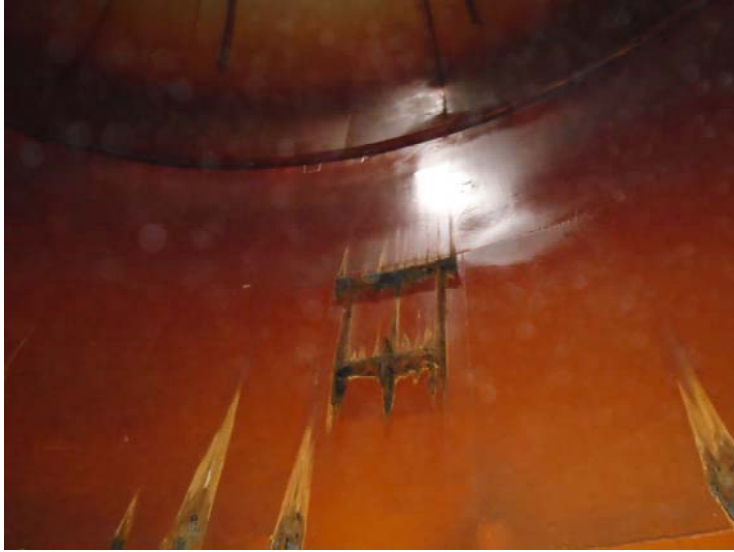


26. The wet interior roof hatch coating is in poor condition.

27. The wet interior roof coating is in fair condition.



28. Same.



29. The wet interior sidewall coating is in poor condition.

30. Areas below the water level are covered with heavy mineral staining.



31. The wet interior torus prior to cleaning.



32. Sediment and water was left in the torus prior to the inspection.

33. The wet interior bowl coating is in fair condition.



34. Same.



35. The wet interior riser transition cone coating is in poor condition.

36. Multiple coating breaks were found in the upper transition cone.



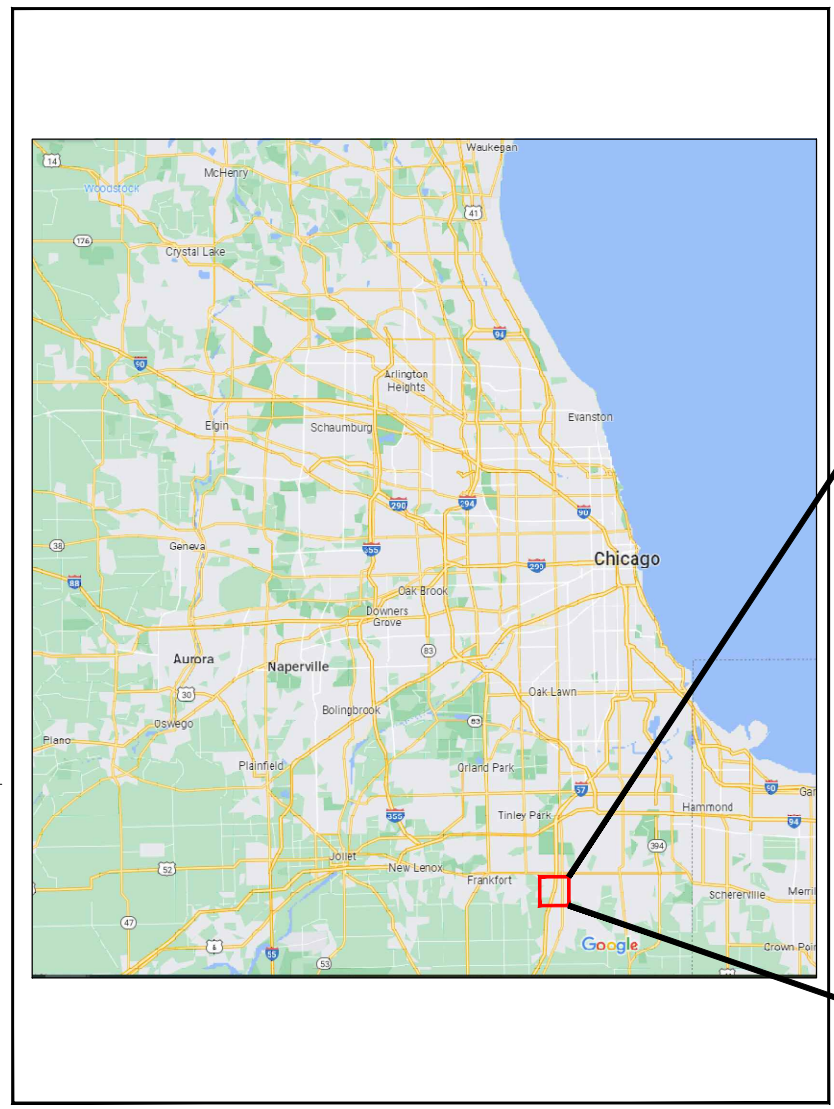
37. The piping is located in the control building; the coating is in fair condition.

# Appendix C

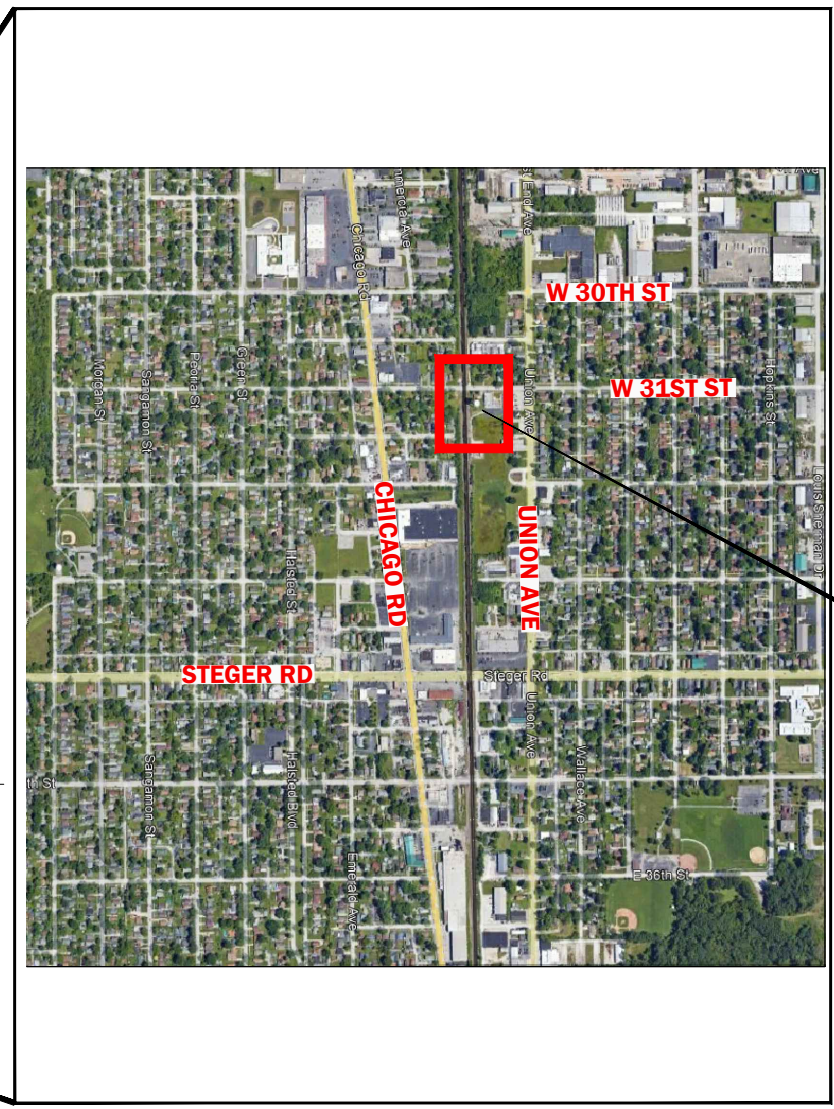
Plans

PLOTTED: Monday, May 1, 2023 9:19:39 AM

# PLANS FOR STEGER WATER TOWER COATING STEGER, ILLINOIS



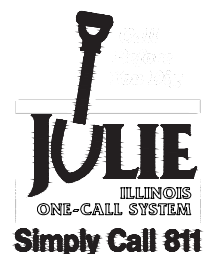
CHICAGO AREA VICINITY MAP  
NOT TO SCALE



STEGER VICINITY MAP  
NOT TO SCALE

DRAWING INDEX	
NO.	DRAWING TITLE
1	TITLE & INDEX
2	SITE PLAN
3	TOWER PAINT ELEVATION PLAN
4	TOWER PAINT RENDERING
5	TOWER SURVEY PLAN EXHIBIT

PROJECT  
LOCATION



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.

SIGNATURE: *Jason L. McKenzie*

NAME: JASON L. MCKENZIE

DATE: 05-02-2023

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023

PAGES COVERED BY THIS SEAL: ALL

X-REFS:  
FILE PATH: Z:\STEGER 6671 WATER TOWER REHAB\DRAWINGS\COVER & SITE PLAN

DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	KMR
		CHECKED	JLM
		APPROVED	JLM
		DATE	4/27/2023
		ISSUED FOR	REVIEW/CONST



STEGER WATER TOWER COATING  
CITY OF STEGER, ILLINOIS

552 W. Boughton Road • Bolingbrook, IL 60440  
630-755-0290 • 877-727-7703(WATS)

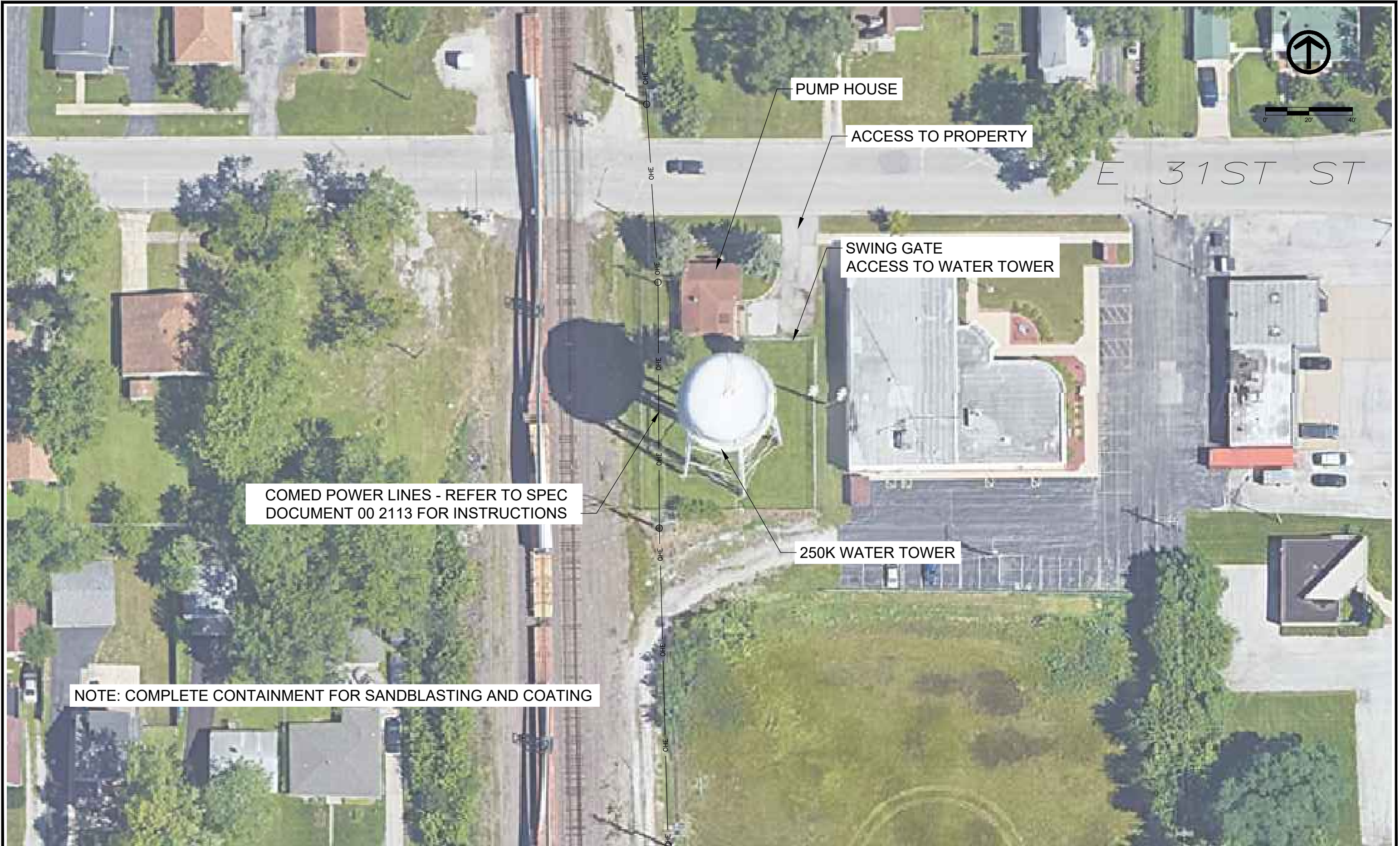
TITLE & INDEX

Appendix C-1

DWG. NO.
1
PROJECT 6671

PLOTTED: Monday, May 1, 2023 9:18:35 AM

X-REFS:  
FILE PATH: Z:\STEGER 6671 WATER TOWER REHA\DRAWINGS\COVER & SITE PLAN



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	KMR
CHECKED	JLM
APPROVED	JLM
DATE	4/27/2023
ISSUED FOR	REVIEW/CONST



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CITY OF STEGER, ILLINOIS

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630-755-0290 • 877-727-7703(WATS)

SITE PLAN

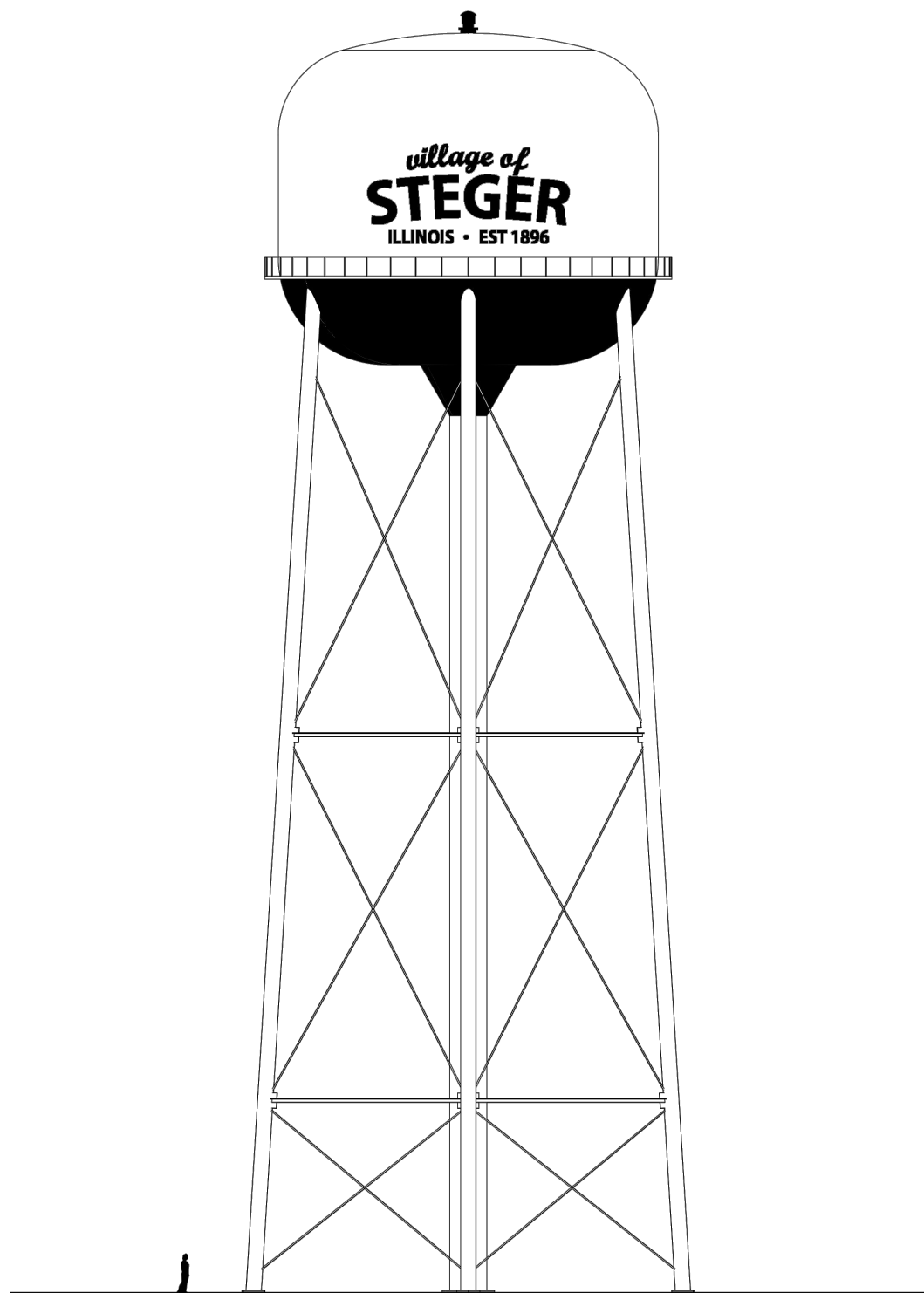
Appendix C-2

DWG. NO.
2
PROJECT 6671

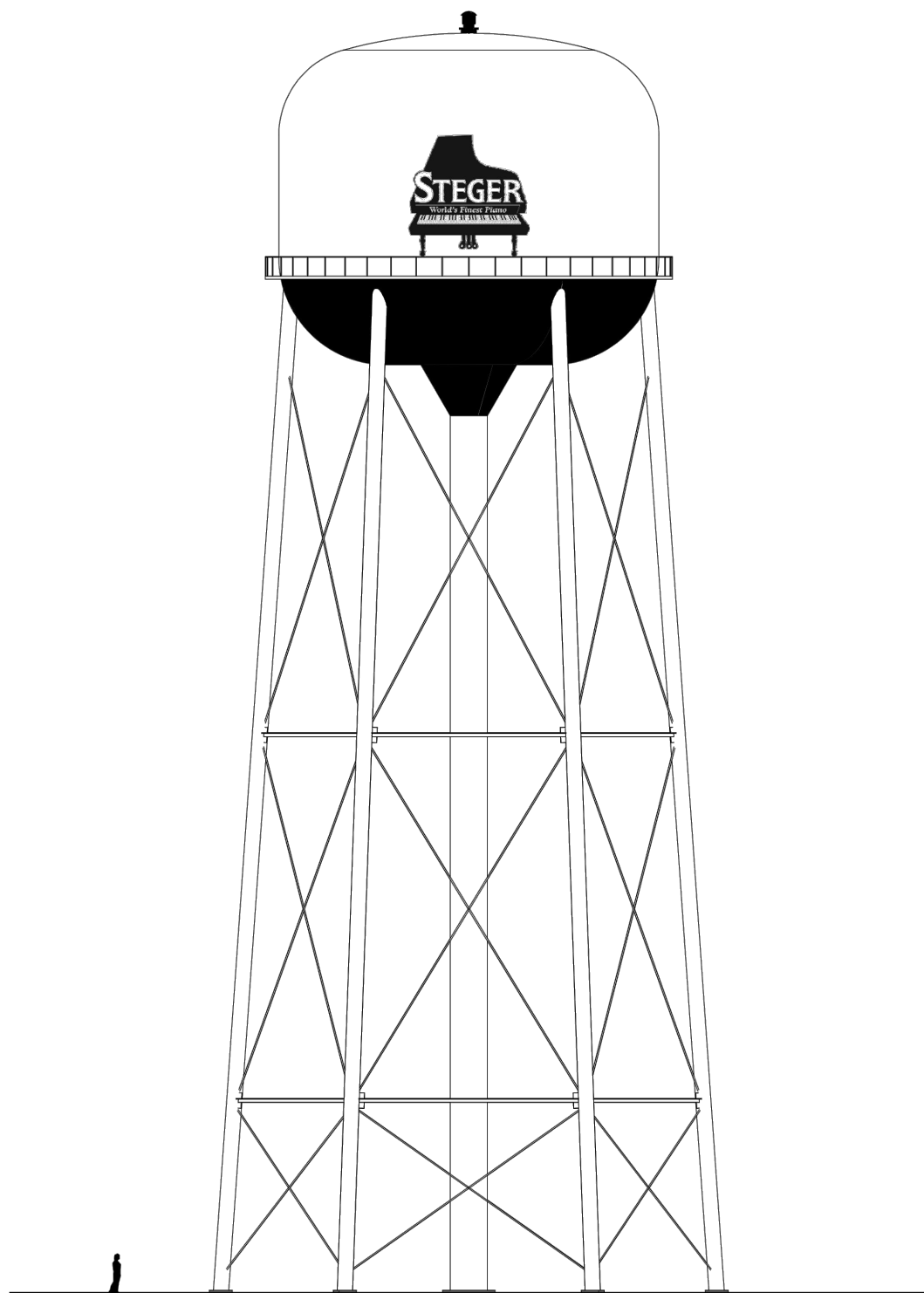


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X-REFS: FILE PATH: Z:\STEGER 6671 WATER TOWER REHA\DRAWINGS\SHEETS 3-5 EXHIBITS



SIDE 'A'



SIDE 'B'

DATE	REVISIONS

SCALE	AS NOTED
DRAWN	EWL
CHECKED	CS
APPROVED	CS
DATE	4-27-2023
ISSUED FOR	REVIEW/CONST



STEGER WATER TOWER COATING  
 VILLAGE OF STEGER, ILLINOIS

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TOWER PAINT ELEVATION PLAN  
**Appendix C-3**

DWG. NO.
3
PROJECT 6671



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	EWL
CHECKED	CS
APPROVED	CS
DATE	4-27-2023
ISSUED FOR	REVIEW/CONST



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TOWER PAINT RENDERING

Appendix C-4

DWG. NO.
4
PROJECT 6671

PLOTTED: Monday, May 1, 2023 9:22:42 AM

X-REFS:  
FILE PATH: Z:\STEGER 6671 WATER TOWER REHAB\DRAWINGS\SHEETS 3-5 EXHIBITS

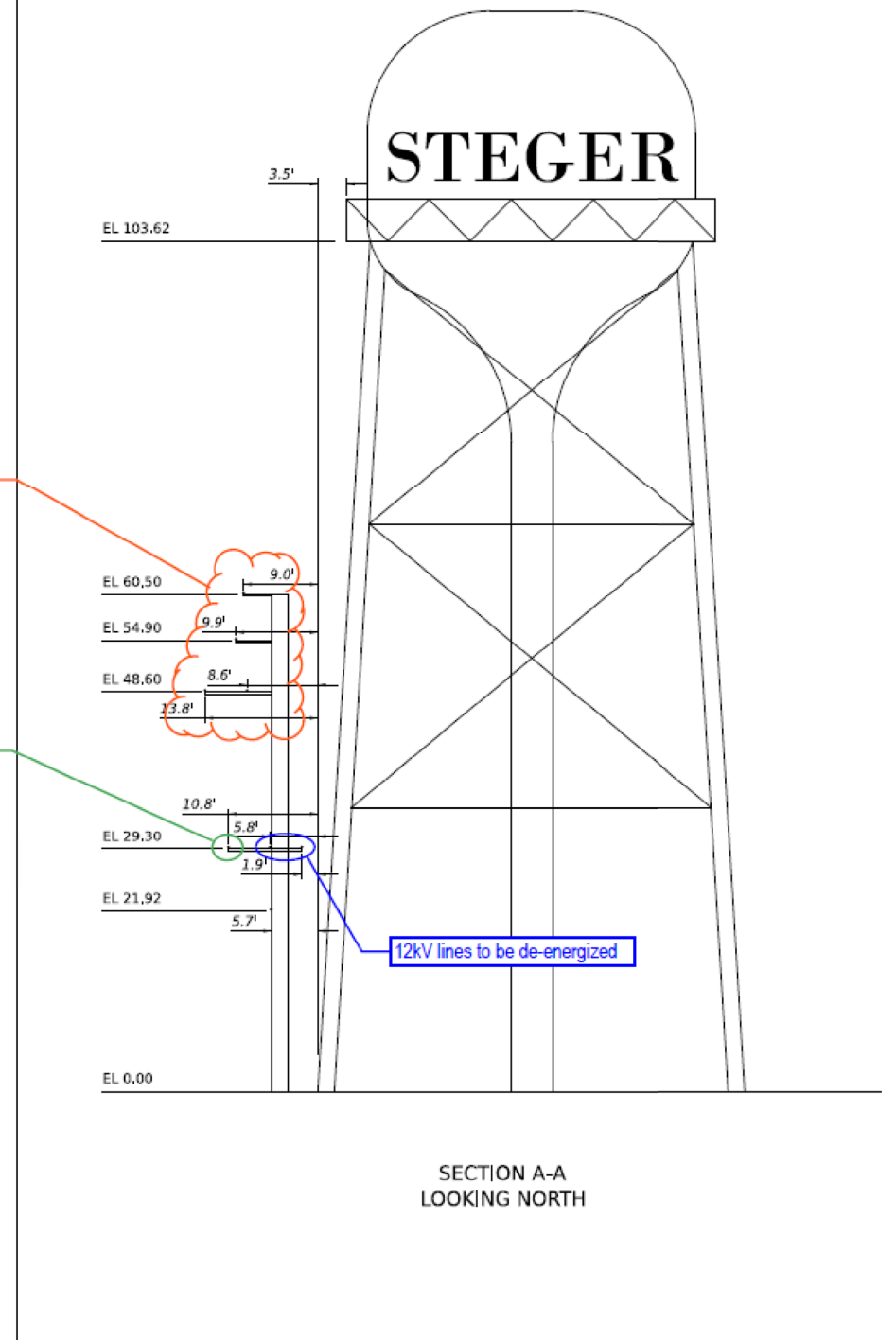
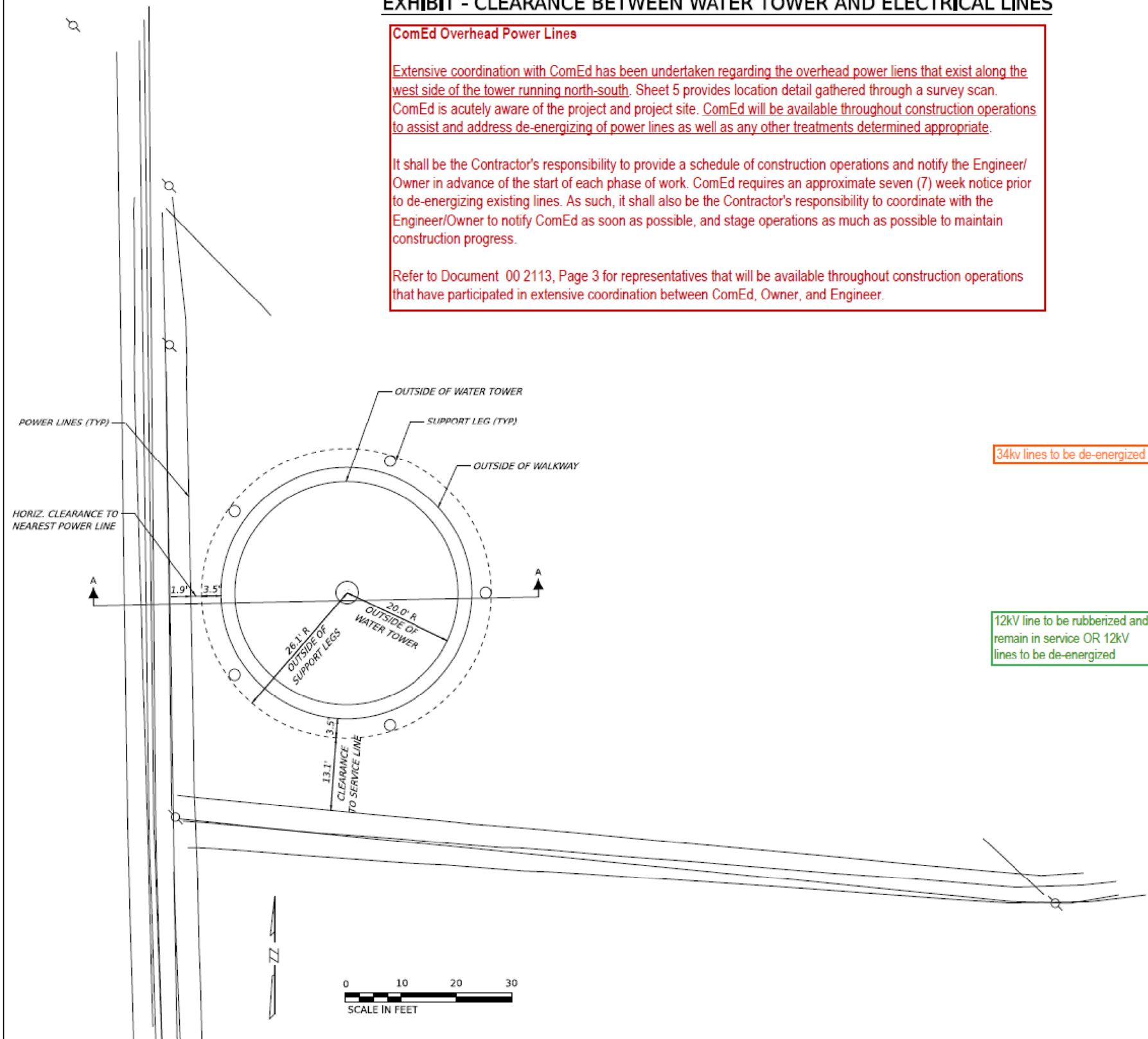
**EXHIBIT - CLEARANCE BETWEEN WATER TOWER AND ELECTRICAL LINES**

**ComEd Overhead Power Lines**

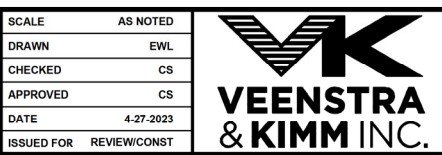
Extensive coordination with ComEd has been undertaken regarding the overhead power lines that exist along the west side of the tower running north-south. Sheet 5 provides location detail gathered through a survey scan. ComEd is acutely aware of the project and project site. ComEd will be available throughout construction operations to assist and address de-energizing of power lines as well as any other treatments determined appropriate.

It shall be the Contractor's responsibility to provide a schedule of construction operations and notify the Engineer/ Owner in advance of the start of each phase of work. ComEd requires an approximate seven (7) week notice prior to de-energizing existing lines. As such, it shall also be the Contractor's responsibility to coordinate with the Engineer/Owner to notify ComEd as soon as possible, and stage operations as much as possible to maintain construction progress.

Refer to Document 00 2113, Page 3 for representatives that will be available throughout construction operations that have participated in extensive coordination between ComEd, Owner, and Engineer.



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	EWL
		CHECKED	CS
		APPROVED	CS
		DATE	4-27-2023
		ISSUED FOR	REVIEW/CONST



STEGER WATER TOWER COATING  
VILLAGE OF STEGER, ILLINOIS

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TOWER SURVEY PLAN EXHIBIT  
Appendix C-5

DWG. NO.	5
PROJECT	6671