



Highway Department

Brian P. Glaeser, Highway Commissioner

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January 5, 2023

HIGHWAY COMMITTEE MEETING AGENDA

DATE: Wednesday, January 11, 2023

TIME: 8:30 a.m.

PLACE: Calumet County Highway Department, 241 E. Chestnut St. Chilton WI 53014.

Any member of the public wishing to attend this meeting **may attend in person or remotely**, and can do so by calling **1-408 418 9388**. Once you dial the number, you will be asked to enter an access code followed by #. That number is **2493-477-6543**. Once you have entered the access code correctly, you will be prompted to enter your attendee ID. Call in users simply press the # key.

1. Meeting Announcement and Posting.
2. Roll Call.
3. Pledge of Allegiance.
4. Approval of Agenda.
5. Approval of Minutes of November 16, 2022 Highway Meeting.
6. Public Participation (if requested by the Committee Chair).
7. Report of Committee Members.
 - A. Reports of Official Meetings held in the Prior Month.
 - B. Upcoming Events.
8. Communications.
9. Items for Discussion and Action.
 - A. Review/Approve Specifications and Set Date Bids will be Due for the Construction Contractor to Build a New 4000 Ton Salt Shed Structure. **(Attachment 1)**
 - B. Review and Amend Manure Policy. **(Attachment 2)**
 - C. 2023 CIP Updates.
10. Report of Department.
 - A. Highway Commissioners Report.
 - B. WCHA Updates.
11. Set next meeting date. Tentative Regular Meeting Scheduled for Wednesday, **February 15, 2023** at 8:30 a.m.
12. Adjournment.

So as not to disturb the meeting, all cell phones must be placed on vibrate and all calls taken outside the meeting room.

Any person wishing to attend who, because of a disability, requires special accommodation should contact the Highway Commissioner's Office at 920-849-1434 at least 24 hours before the scheduled meeting time so appropriate arrangements can be made.

This is a public meeting. As such, all members or a majority of the members of the County Board may be in attendance. While the majority of the County Board members or the majority of any given County Board Committee may be present, only the above committee will take official action based on the agenda above.

Highway Department

January 19, 2023

ATTACHMENT 1

SUBJECT: Advertisement for Bids

Bid Title: Chilton Salt Storage Building Construction Only
Category: Highway Commissioner
Status: Open

Description: **Calumet County Salt Storage Building Construction**
Located west of the Chilton Highway Facility
For Calumet County 241 E. Chestnut St. Chilton WI 53014

Sealed bids will be received by the Calumet County Highway Department of Calumet County, Wisconsin at the Office of the Highway Commissioner at Chilton, Wisconsin for the construction of a new Salt Storage Building at our Highway Facility.

Salt Storage Building Construction for the Chilton Highway Facility

BIDS MUST BE RECEIVED BY: **Friday, February 10th, 2023, at 9:00 a.m.**, at 241 E. Chestnut St., Chilton, WI 53014. Bids will be publicly opened and read on **Friday, February 10th, 2023, at 10:00 a.m.**, at the Calumet County Highway Department Office located at 241 E. Chestnut St. Bids will be awarded, pending Highway Committee approval, on **Wednesday, February 15th at 8:30 a.m.**

Specifications are attached; All design plans, cut sheets, and geotechnical report can be located on our **Calumet County website under BID POSTINGS**. Questions should be submitted to the Highway Commissioner's Office, 241 E. Chestnut St., Chilton, Wisconsin. Telephone (920) 849-1434

Bid envelopes must be sealed and plainly marked in the lower left-hand corner "Sealed Bid". Mail arrives daily at approximately 10:00 A.M. Mail accordingly. Facsimile bids will not be accepted. Calumet County is tax exempt.

A pre-bid walk through of the site will be held on **Tuesday, February 7th, 2023, between 9:00 – 10:00 a.m.**, at the Chilton Facility to view existing conditions and review project requirements. All bidders are strongly encouraged to attend. **Bids must be submitted on the Calumet County Bid Packet.**

The right is reserved to reject any or all bids and to accept such a bid which may be most advantageous to Calumet County. Most advantageous includes a comparison of ability of the various bidders to perform.

The decision of the Calumet County Highway Department to accept or reject bids shall be final, and cannot be questioned except on a showing of fraud.

By Order of the Calumet County Highway Department

Brian P. Glaeser
Highway Commissioner



General Bid Information:

The information under this item shall consist of the construction of new Salt Storage Facility Building. For any questions or concerns please contact Highway Commissioner Brian Glaeser at 920-849-1434.

Construction of Salt Storage Facility Building:

The work under this item shall consist of construction of a Wheeler Salt Storage Building in accordance with the bid plans. The building shall be weather tight and suitable for the storage of salt and other materials used for roadway abrasives. The building shall be rectangular with walls supported with external bracing to withstand lateral load of internal material piles. The building will also have a gable roof. The 4,000-ton facility will be able to hold salt along with two lean-tos one of which will be cold storage and the other will be for salt brine production and storage. The contractor will be responsible for the following:

The contractor shall coordinate delivery of Wheeler building materials with the County and Wheeler representatives. Contractor will be responsible for unloading all materials upon delivery.

Description

- Salt Storage Building Design and Performance Criteria
 1. Nominal Building Dimensions – Main Building
 - 100' Length
 - 80' Width
 - 30' Internal Vertical Height Clearance. Clearance height shall be 30' as measured from finish grade to eave of trusses. Clearance height shall be 30' in all areas of the building.
 2. Nominal Building Dimensions: Enclosed Lean-to (Salt Brine Production Area)
 - 80' Length
 - 20' Width
 - 18' Clearance Height as measured from finished grade to eave of trusses. See plans for partition wall location. Brine Room to be insulated, insulation design and supplied by others. Tank storage area to be uninsulated
 3. Nominal Building Dimensions: Open Lean-to
 - 80' Length
 - 30' Width
 - 18' Clearance Height as measured from finished grade to eave of trusses. Provide 4 equal bays as shown in the plans. Front wall shall be open, rear wall to be enclosed, see plans.
 4. Capacity
 - The main salt storage facility shall hold two separate 2,000-ton piles of salt based on 12' pile height at the wall and extending toward the center of the building at an angle not to exceed 2 horizontals to 1 vertical, for a maximum pile height of 25'. Two salt piles to be separated by movable precast concrete barriers, design and supplied by others. Area near entrance that is unsuitable

for covered material storage due to natural angle of repose should be excluded for capacity calculations. Pile calculations should be based on material weight of 80 pcf for salt. Written calculations and pile diagrams must be provided.

5. Building Structural Requirements

- To provide a rigid, self-supporting structure comprised of standard building framing components, or an approved building system of integrated structural components, complete with necessary foundations which are designed to support wall and roof construction securely and permanently

6. Structural Frame

- The building shall consist of vertical rectangular wood posts set 4' apart center to center. Posts shall be long enough to provide internal clearance height specified in NOMINAL BUILDING DIMENSIONS. The posts may be rough lumber. Vertical wall posts shall be founded and supported by a continuous cast-in-place concrete "T-Wall". "T-Wall" shall consist of reinforced concrete spread footing and vertical concrete column, as designed by the manufacturers engineer. Timber posts shall anchor into both the spread footing and vertical column. Only timber members shall be used in areas that come in contact with salt. No bracing will be allowed on the interior that extends away from the wall and conflicts with the owner's equipment movements.

7. Siding

- Internal load walls shall have horizontal treated timber planks (minimum 12" nom. In width) and treated plywood nailed on the inside of wall posts. Plank thickness and stress grade shall be adequately sized to withstand lateral material pressure and shall be a minimum thickness of 2" nom. In a single application. The plank shall extend two feet higher than design pile load line of the wall. Marker shall be provided to designate the maximum pile height on the wall. Design calculations must include analysis of wall plank thickness and stress grade. Wall planks shall be rough lumber; however, the sides shall be SIE (surfaced on the edge to 11-5/8") to fit tight against adjacent planks. Planks or plywood shall extend upwards to the eaves. Exterior door wall and gable ends of the roof shall be furnished with 5/8" CDX T1-11 grooved plywood orientated with the grooves vertical.

8. Qualified Contractor

- Contractor shall have successful experience in the construction of a salt storage facility in Wisconsin. If requested by owner, bidder shall provide project references. Reference information shall include project location, building size, date of completion, and owner contact information.

- Building Products: All materials shall be unused. All items shall be inspected visually, at the erection site, for conformance with these specifications and final design as approved by the Owner. If deemed necessary by the Owner, onsite samples will be taken by the Owner and submitted to a testing laboratory selected by the Owner and tested to verify compliance with the specifications and final design. Meet the following minimum required standards for the products listed:

Structural building materials have been procured by the County and will be supplied to the contractor for erection. The materials include all treated timber posts, planking, plywood, sheathing, top plates, headers, wood louvers, untreated pre-built trusses, and all associated hardware including brackets, anchors bolts, bolts, and screws, and large ½" x 10" Ring Shank Nails needed for the top post construction.

Materials the contractor will be responsible for sourcing include, but not limited to, concrete, nails, pipe bollards, overhead doors-access doors and hardware, roofing & roofing underlayment system, pre-cast dividers inside the facility, ventilation, interior finishings of brine production room, brine room insulation, Electrical, Internal building plumbing and HVAC, Sanitary Lateral and water service. The contractor will also be responsible for all temporary bracing needed for the project.

1. Concrete

- All concrete and reinforcement shall be in accordance with the building code requirements for structural concrete (ACI 318). For design purposes, all concrete shall be 4000 psi normal weight. All reinforcement steel shall be grade 60, epoxy coated.

2. Pipe Bollards

- Furnish and install (20) pipe bollards at locations shown on plans, minimum six inches (6") in diameter and eight feet (8') in length, consisting of Schedule 80 stainless steel, filled with concrete. Furnish concrete within the pipe bollard according to Section 501 of the standard specifications. Form concrete crown at top of bollard. Embed pipes in concrete footings, and cover with yellow Polly sleeve.

3. Overhead Door

- Overhead doors for salt storage area and brine tank storage area shall be manufactured of aluminum framing components with translucent/polycarbonate glazing panels within each frame (Alaska Door as manufactured by Airlift Doors, INC. or equal) See plans for door size and elevation. All overhead door track, rollers, cables, and hinge assemblies shall be manufactures of stainless-steel materials. Track shall be 3", bearings shall contain zikrs. Overhead doors shall be equipped with car wash type photo-electric safety sensor and jack-shaft type operator (Lift master Carwash Operator w/logic 2.0 circuit, 1.5 hp/208 Volt 3-phase power). Contractor shall provide minimum of 4 (four) remote control devices
- Overhead doors for brine making area shall be manufactured of aluminum framing components with insulated panels providing a minimum insulating value of R-19. Third panel up from floor level shall be a full view clear glass insulated rated panel. See main Chilton Highway Facility for matching. See plans for door size and elevation. All overhead door track, rollers, cables, and hinge assemblies shall be manufacturers of stainless-steel materials. Track shall be 3", bearings shall contain zikrs. Overhead doors shall be equipped with car wash type photo-electric safety sensor and jack-shaft type operator (Lift master Car Wash Operator w/logic 2.0 circuit, 1.5 hp/208 Volt 3-phase power). Contractor shall provide minimum of 4 (four) remote control devices.

- Doors should meet insulation requirements for the Salt Brine Production Area per RMA Architects
- Standard for Sectional Doors: Comply with DASMA 102 unless otherwise indicated.
- Structural Performance, Exterior Doors: Provide doors capable of withstanding 20 lb./sq. ft. wind-loading pressure.
- Operation: Electrical.

4. Access Door

- Furnish and install four 3'-0" x 7'-0" exterior grade fiberglass swing-out pass door with jambs and hardware, color to be reviewed, selected, and approved by the owner from the manufacture standard colors. Doors shall be rated for high use and high resistance to impact. Provide heavy-duty stainless-steel butts, heavy-duty stainless-steel electronic push button lockset to match the existing highway facility, stainless steel kick plate and weather stripping. In addition, all hardware and hinges should be stainless steel.

5. Roofing System (General)

- Provide materials and surface finishes conforming to the guarantee specified below, requiring minimum maintenance, and conforming to, or exceeding, the Underwriters' Laboratories, Inc. Class C rating requirements (labels are not required). Unprotected aluminum or bare steel surfaces are not acceptable.
 - 1) Type: Prefabricated or site-built, complete with all necessary accessories, fastening devices, trim, and flashings
 - 2) Drainage: Positive slope; no standing water.
 - 3) Strength: Comply with structural criteria specified on drawings.
 - 4) Wind Resistance: 60 pounds per square foot (uplift) for adhesive applied products, UL Standard 997 for shingle type products.
 - 5) Compatibility: All materials to be physically and chemically compatible with each other and with adjacent building components.
 - 6) Products:
 - a. Metal roofing shall consist of 29 gauge galvanized coated steel panels, with color matched fasteners, carrying a manufacturer's warranty of 30 years, color to be reviewed, selected, and approved by the engineer from manufacturer's standard colors. Acceptable products are Grand Rib 3 Plus by Fabral with Endura Cote finish, Stormproof by MBCI with Signature 200 paint system, Max Rib by McElroy with siliconized polyester paint system, or equivalent.
 - b. Trim - Provide metal rake trim at all edges and slope changes.
 - c. Underlayment shall conform to ASTM D1970, Standard Ice Dam Underlayment.
 - d. Sheathing shall be APA rated, 5/8-inch-thick nominal, CDX plywood roof sheathing. In no case shall metal roofing be applied directly to trusses.

6. Precast Dividers

- Provide movable 12' high precast concrete "T Panels" to separate the two salt pile areas as shown on the plan. Dividers shall be designed for 12' salt pile height plus surcharge. Dividers to be manufactured by Wieser Concrete or approved equal.

7. Ventilation

- Provide suitable openings located at or near the highest point of the roof to provide a minimum ratio of 1 square inch of free air area for each 55 square feet of building floor area. Color to match adjacent roofing materials.
- Provide wooden louver vents with a minimum area of 3 square feet each at each gable end of building.

8. Interior Finishings in the Salt Brine Production Room

- To provide the following wall treatments to the entire Salt Brine Production Room
 - 1) Glasliner to be installed on all four walls of the Salt Brine Production Room. All seams shall be sealed with the appropriate sealant for environment colored to match. This will allow easy cleanup of the area after the salt brine production has been completed. Contact Owner on preferences.

9. Brine Room Insulation

- To provide and install insulation as indicated in the wall/ceiling section showing insulation requirements and specifications prepared by RMA Architects, Inc. This contract with RMA Architects will be provided through Westwood Infrastructure Professionals (formerly OMNNI).

10. Electrical

- To coordinate installation of electrical service by Wisconsin Public Service
- To provide and install the building electrical as indicated in the drawings and specifications prepared by Powrtek Engineering, Inc. This contract with Powrtek Engineering, Inc. will be provided through Westwood Infrastructure Professionals (formally OMNNI).

11. Internal Building Plumbing and HVAC

- Coordinate installation of exterior plumbing with interior plumbing
- Provide and install the building plumbing as indicated in the drawings and specifications prepared by MSA Professional Services, Inc. This contract with MSA Professional Services will be provided through Calumet County.

12. Sanitary Lateral and Water Service

- Provide and install the sanitary lateral and water service as indicated in the drawings and specifications prepared by Westwood Infrastructure, Inc. (formerly OMNNI).
- Repair and replace all pavement and turf disturbed within the right of way in accordance with the City of Chilton standards

PAYMENT

Payment is full compensation for constructing and erecting the building and all other accessory items specified herein, including but not limited to, pipe bollards, doors, roofing other accessories; concrete, rebar, precast dividers, interior finishings, insulation, electrical-lighting, plumbing, HVAC etc. and construction staking for the structure; for obtaining necessary local permits, for performing all required testing, and for furnishing manufacturer's warranties.

Site work including clearing, grading, asphaltic pavement, and base course (including asphalt pavement inside building), and other site related items will be paid for separately.

PROJECT PROPOSAL:

The Calumet County Highway Department seeks to fulfill this bid and complete this Salt Storage Building Construction Project at the Chilton Highway Department facility by no later than September 1st, 2023. Any unfinished and/or continued work by contractor beyond the listed completion date will constitute a penalty of \$200.00 per day. A pre-bid walk through of the site will be held on **Tuesday, February 7th, 2023, between 9:00 – 10:00 a.m.**, at the Chilton Facility to view existing conditions and review project requirements. All bidders are strongly encouraged to attend. The Highway Commissioner will be available for your project questions and concerns. All contractor equipment and personnel, tools and hardware would be at the risk of the contracted company and its personnel. Calumet County and any/all affiliated departments/staff/equipment are not to be held liable. Concurrently any damage to Calumet County's facility and/or equipment will be held against contractor at no expense to Calumet County and affiliated department(s). Awarded contractor must be fully insured and licensed to do the required work. Any and all required permitting to complete the scope of work will be obtained and paid for, filed, and posted by the contractor. All codes and inspections are to be adhered to by contractor and/or the contractor's staff on site.

OWNER ACCEPTANCE:

We, Calumet County Highway Department, do accept the above scope of work for the construction of our Salt Storage Facility Building at our Chilton Highway Department Facility to be in good form and fairness, and that the date of completion by September 1st, 2023, to be adequate time to complete said work. Thank you for your consideration and we look forward to receiving your bid.

ALL BIDDERS MUST COMPLY WITH ATTACHED INSURANCE REQUIREMENTS AND PROVIDE A CERTIFICATE OF INSURANCE ALONG WITH BID.

Prices quoted must remain in effect until September 1st, 2023.

Name of Company	
Mailing Address	
City, State, Zip Code	
Contact Person	
Phone Number	
Email Address	

Salt Storage Building Construction Contract

Quote: _____

Start Date:

Respectfully submitted, _____
Signature

Title

INSURANCE REQUIREMENT – CONTRACTORS

INDEMNITY AND INSURANCE

1. Contractor agrees to at all times during the term of this agreement: indemnify, save harmless and defend the County, its Boards, Officers, Employees and Representatives against any and all liability, losses, damages, costs or expenses which the County, its Boards, Officers, Employees and Representatives may sustain, incur or be required to pay by reason of bodily injury, personal injury or property damage of whatsoever nature or kind arising and of or as a result of any negligent act or negligent failure to act in connection with the performance of the work by contractor, its employees, agents, and subcontractors, provided, however, that the provisions of this section shall not apply to liabilities, losses, charges, costs, or expenses caused solely by or resulting from the acts or omissions of the County, its Agencies, Boards, Officers, Employees or Representatives.

2. Contractor agrees that, in order to protect itself and the County, its Boards, Employees and Representatives under the indemnity provisions of the paragraph above, it will at all times during the term of this agreement keep in force as required:

Coverage Limit

Workers' Compensation & Employer's Liability

- | | |
|---|---|
| a. Applicable State | Statutory |
| b. Applicable Federal (e.g. U.S. Longshoremen's and Harbor Worker's Act, Admiralty (Jones) Act, and Federal Employer's Liability Act) | Statutory |
| c. Employer's Liability (per occurrence) | \$100,000 ea. Occurrence
\$100,000 ea. Person/disease
\$500,000 total limit/disease |

Automobile Liability-Owned, Non-Owned, Hired

- | | |
|--|-----------------|
| a. Bodily Injury and Property Damage
Combined – Each Accident | \$1,000,000 CSL |
|--|-----------------|

**Comprehensive General Liability (Including
Broad Liability Endorsement)**

- a. Bodily Injury and Property Damage
Combined – Each Accident \$1,000,000

- b. Personal Injury \$1,000,000

- c. XCU Coverage YES

- d. Completed Operation and Product Liability-
Shall be maintained for a period of Two (2)
Years after the final payment

Umbrella on Excess Liability

In the amount of \$2,000,000 shall be required above the Contractor's basic policy.

Policies shall be issued by a company or companies authorized to do business in the State of Wisconsin and licensed by the Wisconsin Insurance Department. Coverage afforded shall apply as primary, with the County, its Boards, Officers, Employees and Representatives as additional named insureds. The County shall be given thirty (30) days advance notice of cancellation or nonrenewal during the term of this agreement. Upon execution of this agreement, Contractor shall furnish County with a certificate of insurance and, upon request, certified copies of the required insurance policies. In the event any action, suit or other proceeding is brought against the County upon any matter herein indemnified against, the County shall, within five (5) working days, give notice thereof to the Contractor and shall cooperate with their attorneys in the defense of the action, suit, or other proceeding.

CALUMET COUNTY HIGHWAY DEPARTMENT
241 E. Chestnut St., Chilton WI. 53014-1554
Phone (920) 849-1434 – Appleton Area (920) 989-2700
Fax (920) 849-1405 - Web Address: www.co.calumet.wi.us

Check List Requirements to place Manure Distribution Tank within County Right of Way

- 1) Right of Way Permit Application to be filled out by owner of dairy where manure is being generated from ~~including the with a \$100.00~~ application fee. (Permit on County Web Site at www.co.calumet.wi.us).
- 2) Follow Manual of Uniform Traffic Control Devices (MUTCD) which can be found at <http://mutcd.fhwa.dot.gov/kno-millennium.htm> for work zone signage and installation within the work zone. (Signs shall be at least 48" x 48" with Prismatic Sheeting or Higher Grade intensity)
- 3) Follow Part 6 of the Manual of Uniform Traffic Control Devices (MUTCD) which can be found at <http://mutcd.fhwa.dot.gov/kno-millennium.htm> and the Wisconsin MUTCD Supplement which can be found at <http://www.dot.wisconsin.gov/business/engrserv/wmutcd.htm> containing the standards for proper flagging procedures. Flagging personal shall be properly trained and outfitted with approved ANSI Std. Class 3 garments.
- 4) Flagger STOP/SLOW paddle shall be octagonal, with prismatic sheeting or higher grade intensity at least 18" x 18" with 6" high letters and shall be mounted on a rigid handle. A minimum 5' mounting height is required.
- 5) Operational hours of Manure Distribution Tank and Equipment within County Highway Right-Of-Way shall be ½ hour after sunrise to ½ hour before sunset. No night operations shall be allowed and the distribution tank shall be removed from the County Highway Right-of-Way at the end of Operational Hours.
- 6) Cost of repairs to the route utilized and at the dispensing location will be born by the manure supplier and contracted hauler for damages to roadway, edge of roadway, shoulder, ditch foreslope/backslope, R/W etc.
- 7) Manure Supplier and Contracted Hauler shall follow Insurance Requirements listed below.

Liability Insurance. Dairy and Contracted Hauler will maintain such general liability, vehicle liability, and property damage insurance as shall protect the Dairy and Contractor from all claims for liability, damages, personal injury, including accidental death, as well as from claims for property damages which may arise. The minimum amount of insurance shall be as follows:

- A. Farm and/or General Liability Coverage
 - \$1,000,000 General Aggregate
 - \$ 500,000 each occurrence limit

B. Farm and/or Business Automobile Coverage

Limits - \$500,000 each person/\$500,000 each accident for Bodily Injury and
\$100,000 for Property Damage

OR

\$1,000,000 Combined Single Limit for Bodily Injury and Property Damage each
accident

C. Pollution Liability Coverage

\$2,000,000 General Aggregate

\$2,000,000 each occurrence limit

County shall be named as an additional insured on all policies. Manure Supplier and Contracted Hauler shall provide confirmation of coverage by providing a certificate of insurance to the County prior to commencing distribution activities. All insurance companies shall be licensed to sell insurance in the State of Wisconsin.

- 8) A Permit is required. Persons operating without an approved permit will have operations shut down immediately.