

**TOWN OF RICE LAKE  
REQUEST FOR BIDS**

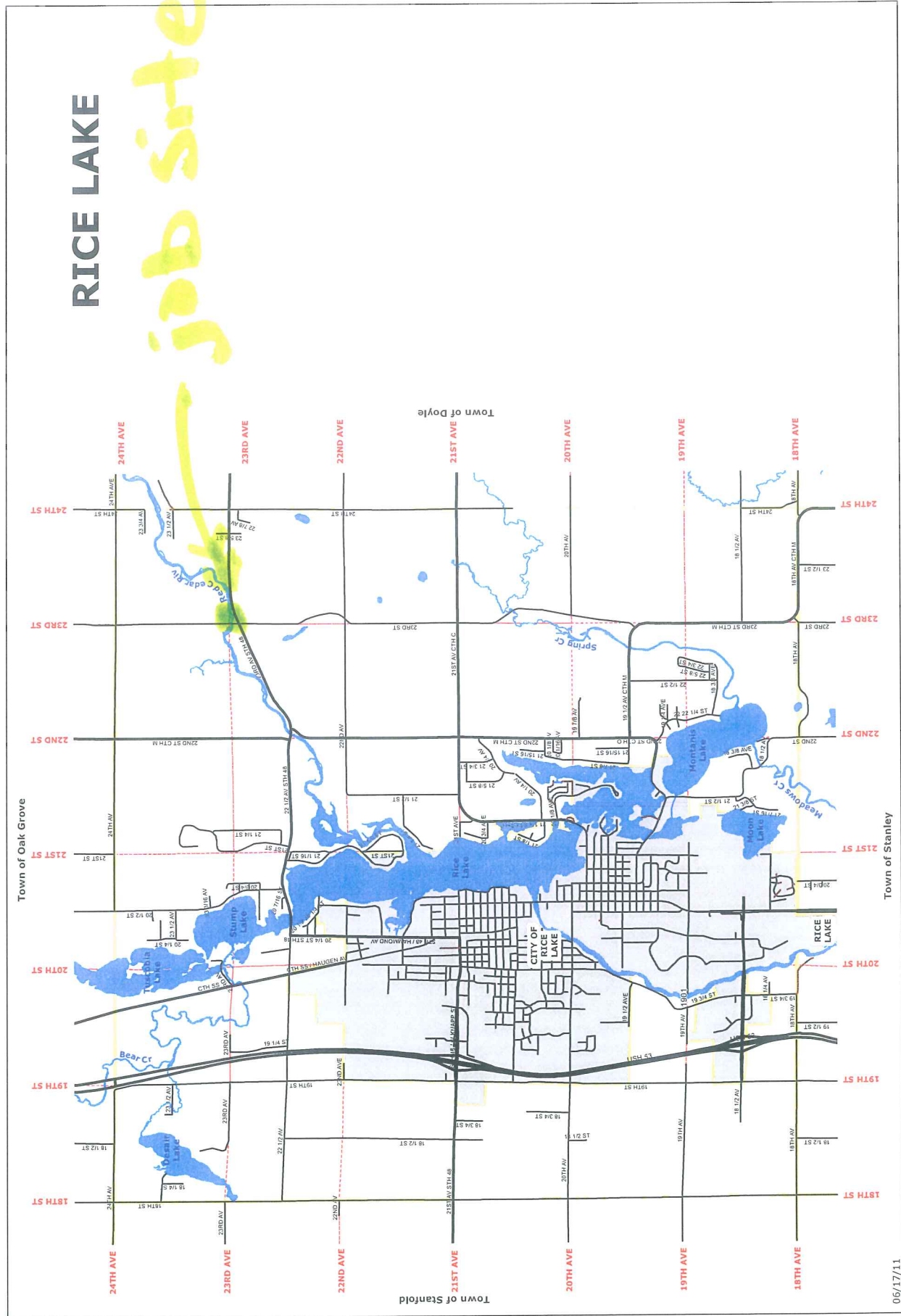
The Town of Rice Lake is requesting bids for Polymer Overlay on 23<sup>rd</sup> Street Bridge north of STH 48. To obtain bid forms, specifications and locations of road work, please contact the clerk/treasurer's office at 715-234-8087 or view online at [townofricelake.com](http://townofricelake.com). Direct all other inquiries to Town Chairman, Dean Borofka, at 715-296-6258. Bids should be submitted on town forms in a sealed envelope with the Polymer Overlay BID written on the outside and mailed to: Town of Rice Lake, 1830 Macauley Ave., Rice Lake, WI 54868.

**DEADLINE FOR SUBMISSION OF BIDS: 7:00 PM, MONDAY, JULY 8, 2019.** Bids will be opened at the regular monthly board meeting scheduled for that date and time. Bids must include certificate of insurance for liability and workers compensation, along with the town's safety training survey. The Town of Rice Lake reserves the right to reject any or all bids, to waive informalities, and to accept the bid proposal deemed most advantageous.

Janet Tomesh, Clerk/Treasurer  
Posted: 06/19/19  
Published: 06/19/19 & 06/26/19

# RICE LAKE

job site



RICE LAKE

## Specifications For Polymer Overlay

The Town of Rice Lake will be accepting bid proposals for a Contractor to furnish materials, equipment and labor to apply a polymer overlay to the town bridge located on 23<sup>rd</sup> St. just north of STH 48. The intent of this contract is to ensure the Town of Rice Lake that this application shall be accomplished in a responsible and timely manner.

### A Description

This special provision describes furnishing and applying two layers of a two-component polymer overlay system to the bridge decks. The minimum total thickness of the overlay system shall be ¼”.

### B Materials

#### B.1 General

Furnish materials specifically designed for use over concrete bridge decks. Furnish polymer liquid binders from WISDOT's approved product list.

<http://wisconsindot.gov/Documents/doing-bus/eng-consultants/cnslt-rsrcs/tools/appr-prod/ap-current/polymer-liquid-binder-12-15-2016.pdf>

#### B.2 Polymer Resin

The polymer resin base and hardener shall be composed of two-component, 100% solids, 100% reactive, thermosetting compound.

#### B.3 Aggregates

Furnish natural or synthetic aggregates that have a proven record of performance in applications of this type. Furnish aggregates that are non-polishing, clean, free of surface moisture, fractured or angular in shape; free from silt, clay, asphalt, or other organic materials; and meet the following properties and gradation requirements:

Aggregate Properties:

Property	Requirement	Test Method
Moisture Content*	½ of the measured aggregate absorption, %	ASTM C566
Hardness	≥6.5	Mohs Scale
Fractured Faces	100% with at least 1 fractured face and 80% with at least 2 fractured faces of material retained on No.16	ASTM 5821
Absorption	≤1%	ASTM C128

\* Sampled and tested at the time of placement.

Gradation:

Sieve Size	% Passing by Weight
No. 4	100
No. 8	30 – 75
No. 16	0 – 5
No. 30	0 – 1

## B.4 Required Properties of Overlay System

The required properties of the overlay system are listed in the table below:

Property	Requirement <sup>A</sup>	Test Method
Minimum Compressive Strength at 8 Hrs. (psi)	1,000 psi @ 8 hrs 5,000 psi @ 24 hrs	ASTM C 579 Method B, Modified <sup>B</sup>
Thermal Compatibility	No Delaminations	ASTM C 884
Minimum Pull-off Strength	250 psi @ 24 hrs	ACI503R, Appendix A

## C Preparation and Application

### C.1 Deck Preparation

#### C.1.1. Deck Repair

Remove all asphaltic patches and unsound or disintegrated areas of the concrete decks as the plans show, or as the engineer directs. Ensure that products used for deck patching are compatible with the polymer overlay system.

NOTE: Some polymer systems require concrete patch material to be in place a minimum of 28-days before overlaying - contact polymer manufacturer before completing deck patching/repair.

#### C.1.2 Surface Preparation

Determine an acceptable shotblasting machine operation that provides a surface profile meeting CSP 5 according to the International Concrete Repair Institute Technical Guideline No. 03732.

Prepare the entire deck using the final accepted adjustments to the shotblasting machine as determined above. Thoroughly blast clean with hand-held equipment any areas inaccessible by the shotblasting equipment. Do not perform surface preparation more than 24 hours prior to the application of the overlay system.

Prepare the vertical concrete surfaces adjacent to the deck a minimum of 2" above the overlay by sand blasting, using wire wheels, or other approved method.

Just prior to overlay placement, clean all dust, debris, and concrete fines from the prepared surfaces including the vertical surfaces with compressed air. When using compressed air, the air stream must be free of oil. Any grease, oil, or other foreign matter that rests on or has absorbed into the concrete shall be removed completely. If any prepared surfaces (including the first layer of the polymer overlay) are exposed to rain or dew, lightly sandblast (breeze blast) the exposed surfaces.

Protect drains, expansion joints, access hatches, or other appurtenances on the deck from damage by the shot and sand blasting operations and from materials adhering and entering. Tape or form all construction joints to provide a clean straight edge.

### C.2 Application of the Overlay

Perform the handling and mixing of the polymer resin and hardening agent in a safe manner to achieve the desired results according to the manufacturer's instructions. Do not apply the overlay system if any of the following exists:

- Ambient air temperature is below 50°F.
- Deck temperature is below 50°F.

- c. Moisture content in the deck exceeds 4.5% when measured by an electronic moisture meter or shows visible moisture after 2 hours when measured according to ASTM D4263.
- d. Rain is forecasted during the minimum curing periods listed under C.5.
- e. Materials component temperatures below 50oF or above 99°F.
- f. Concrete age is less than 28 days unless approved by the engineer.
- g. The deck temperature exceeds 100°F.
- h. If the gel time is 10 minutes or less at the predicted high air temperature for the day.

After the deck has been shotblasted or during the overlay curing period, only necessary surface preparation and overlay application equipment will be allowed on the deck. Begin overlay placement as soon as possible after surface preparation operations.

The polymer overlay shall consist of a two-course application of polymer and aggregate. Each of the two courses shall consist of a layer of polymer covered with a layer of aggregate in sufficient quantity to completely cover the polymer. Apply the polymer and aggregate according to the manufacturer's requirements. Apply the overlay using equipment designed for this purpose. The application machine shall feature positive displacement volumetric metering and be capable of storing and mixing the polymer resins at the proper mix ratio. Disperse the aggregate using a standard chip spreader or equivalent machine that can provide a uniform, consistent coverage of aggregate. First course applications that do not receive enough aggregate before the polymer gels shall be removed and replaced. A second course applied with insufficient aggregate may be left in place, but will require additional applications before opening to traffic.

After completion of each course, cure the overlay according to the manufacturer's instructions. Follow the minimum cure times listed under C.5 or as prescribed by the manufacturer. Remove the excess aggregate from the surface treatment by sweeping, blowing, or vacuuming without tearing or damaging the surface; the material may be re- used if approved by the engineer and manufacturer. Apply all courses of the overlay system before opening the area to traffic. Do not allow traffic on the treated area until directed by the engineer.

After the first layer of coating has cured to the point where the aggregate cannot be pulled out, apply the second layer. Prior to applying the second layer, broom and blow off the first layer with compressed air to remove all loose excess aggregate.

Prior to opening to traffic, clean expansion joints and joint seals of all debris and polymer. If required by the engineer, a minimum of three days following opening to traffic, remove loosened aggregates from the deck, expansion joints, and approach pavement.

### C.3 Application Rates

Apply the polymer overlay in two separate courses according to the manufacturer's instructions, but not less than the following rate of application.

Course	Minimum Polymer Rate <sup>A</sup> (GAL/100 SF)	Aggregate <sup>B</sup> (LBS/SY)
1	2.5	10+
2	5.0	14+

<sup>A</sup> The minimum total applications rate is 7.5 GAL/100 SF.

<sup>B</sup> Application of aggregate shall be of sufficient quantity to completely cover the polymer.

	Average temperature of deck, polymer and aggregate components in °F							
Course	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99
1	6 hrs.	5 hrs.	4 hrs.	3 hrs.	2.5 hrs	2 hrs	1.5 hrs.	1 hr.
2	8 hrs.	6.5 hrs.	6.5 hrs.	5 hrs.	4 hrs.	3 hrs.	3 hrs.	3 hrs.

## **D Weather Limitations**

Sealant materials may be placed during a period of rising temperature after the air temperature in the shade and away from artificial heat sources has reached 40°F and indications are for a continued rise in temperature. During a period of falling temperature, placement of the sealant material shall be suspended until the above conditions are met.

## **E Traffic Control**

D.1 Traffic Routing: Traffic shall be rerouted as deemed necessary allowing that all operations shall be so conducted as to provide a minimum of inconvenience to traffic.

D.2 Barricades: Barricades and signing necessary for the protection of the general public shall be used and shall be the responsibility of the Contractor.

D.3 Notification: Written notification shall be given to Police, Fire and Street Departments of the municipality at least twenty-four (24) hours prior to closing off or in any way effecting through vehicular traffic on any street.

D.4 Curing and Protection: The Contractor shall erect and maintain suitable barricades and/or cones and employ such watchmen as may be necessary to exclude traffic from the newly sealed areas until thoroughly cured or set. Any part of the work damaged prior to acceptance of the project by the owner shall be repaired and/or replaced at the expense of the Contractor.

## **E Maintenance**

The Contractor shall be responsible for and maintain the work until acceptable thereof. Such maintenance shall include protection and repair of the treated surface. Any areas containing any excess or deficiency of bituminous material or aggregate cover and any unsatisfactory areas in the crack filling shall be corrected during such maintenance period.

## **F Basis of Payment**

Polymer overlay shall be paid for per square yard for furnishing all preparation, materials, equipment, labor, clean-up and incidentals necessary to complete the work as specified.

## **G General**

- Contractor shall be responsible to furnish material in a work type manner as to provide for orderly and efficient installation to be done by the owner. Materials shall be delivered in such a manner as to provide continuing, uninterrupted, delivery of materials as specified. (example: trucks provided for delivery shall stay on the job till completion or other arrangements are made with supervisor in charge of each job.)
- Contractor shall conduct operations under this contract in compliance with all applicable laws.
- Town reserves the right to assign job site inspectors as deemed necessary by the Town's authorized person(s).
- Contractor shall give written notification to Police, Fire and Street Departments of the municipality at least twenty-four (24) hours before closing off or in any way effecting through vehicular traffic on any street.
- Contractor shall not litter premises in the process of completion of any part of this contract.
- Contractor shall provide duly authorized person(s) of the Town with current information regarding contract jobs as all requests.

- Contractor shall have a qualified person(s) in charge.
- This contract constitutes the entire job and understanding between the parties, and hereto, and it shall not be considered modified, altered, changed, or amended in any respect unless in writing and signed by the parties hereto.
- The failure of the Town at any time to require performance by the Contractor of any provisions hereof shall in no way effect the right of the Town thereafter to enforce the same. Nor shall waiver by the Town of any breach of such provisions hereof be taken or held to be a waiver of any succeeding breach of such provisions or as a waiver of any provision itself.
- No assignment of the contract or any right occurring under this contract shall be made in whole or part without the express written consent of the Town.
- Contractor shall list any special conditions with bid or Town shall expect Contractor to be in complete agreement with all parts of this contract.
- Contractor will defend, save harmless, and exempt Town, its officer, agents, servants, and employees from and against any and all suits, actions, legal proceedings, claims, demands, costs, expenses, and attorney's fees resulting from injury to person(s) or damage to property out of work done in the performance of this contract.
- This contract shall not be construed as to cover all projects new or projects funded through secondary sources, either full or partial, but not limited to such projects as Federal Highway Safety Projects, Federal Aids Urban Projects, State primary and secondary projects, Economic Development Projects or Recreational Projects.
- The Town of Rice Lake reserves the right to reject any or all bids, to waive informalities, and to accept the bid proposal deemed most advantageous to the Town of Rice Lake.
- Contractor shall not perform extra work without authorization of duly authorized person(s) of the Town.
- Contractor shall provide barricades, signs, lights or any necessary safety devices needed to alert and protect motorists prior to commencing the job and continuing through job completion.
- If any provision of the contract shall be declared illegal, void or unenforceable, the other provisions shall not be effected but shall remain in full force and effect.
- Work shall be done no later than August 1, 2020. Failure to complete work by this date will result in a \$200 per day penalty being assessed until work is completed.

## **H Liabilities**

As a condition of acceptance by Town of any bid, bidder shall satisfy all outstanding liabilities, if any, owing to the Town of Rice Lake by bidder.

## **I Payment**

Payment for polymer overlay shall be upon satisfactory completion and upon approval of the Town Chairperson or duly authorized person(s).

## **J Nondiscrimination Clause**

Without limiting the generality of any of the provisions of this Agreement, CONTRACTOR, in its operations, and also as a part of the consideration hereof, shall maintain and operate its facility and provide its services in compliance with and pursuant to Title 49, Part 21, Code of Federal Regulations, nondiscrimination in federally-assisted programs of the Department of Transportation-Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended; and shall not on the grounds of race, creed, color or national origin, physical limitation or disability, or on any other prohibited basis discriminate or permit discrimination against any person or group of persons in the manner whatsoever.

In addition, the CONTRACTOR covenants that it will undertake an affirmative action program as required by 14 CFR Part 152, Subpart E, to insure that no person shall on the grounds of race, creed, color, national origin, or sex be excluded from participating in any employment activities covered in 14 CFR Part 2152, Subpart E. The CONTRACTOR assures the TOWN that no person shall be excluded on these grounds from

participating in or receiving the services or benefits of any program or activity covered by this Subpart. The CONTRACTOR assures that it will require that its covered suborganizations provide assurances to the CONTRACTOR that they similarly will undertake affirmative action programs and that they will require assurances from their suborganizations, as required by 14 CFR Part 152, Subpart E, to the same effect.

#### **K Liability Insurance Required**

No Contract shall be issued until Contractor has furnished satisfactory proof of a liability insurance policy in full force and effect a public liability insurance policy in a company authorized to do business in the State of Wisconsin for his total operation in the amount of a One Million Dollar (\$1,000,000.00) complete liability umbrella policy covering injury, death or destruction of property of any person other than the Contractor. Cancellation or reduction of insurance shall automatically suspend this contract and no further work shall be done.

#### **L Contract Revocation or Suspension**

The Town Chairperson or duly authorized person(s) may temporarily suspend this contract for any violation of these specifications for a period not exceeding three (3) days, or may revoke such contract after an opportunity for hearing before the Town Council upon ten (10) days personal notice to the Contractor.

#### **M Deadline for Bid Submission**

Sealed Bids shall be received until **7:00 p.m., Monday, July 8, 2019** at the Town of Rice Lake Clerk's Office, 1830 Macauley Ave., Rice Lake, Wisconsin. Bids shall be opened at **7:00 p.m. on Monday, July 8, 2019.** at the Rice Lake Town Hall, 1830 Macauley Ave., Rice Lake, WI 54868. **All bids must be on Town of Rice Lake Bid Proposal forms and are to include a completed Town of Rice Lake Drug & Safety Survey (pages 5 & 6 of this packet).**

The Town of Rice Lake reserves the right to reject any or all bids, to waive informalities and to accept the proposal deemed most advantageous to the Town of Rice Lake.



**BID PROPOSAL**

Proposal of \_\_\_\_\_ (hereinafter called "BIDDER"), organized and existing under the State of \_\_\_\_\_, doing business as \_\_\_\_\_ to the Town of Rice Lake, Wisconsin (Hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all work in strict accordance with the Specifications, within the time set forth therein, and at the prices stated in the following proposal form.

By submission of this BID, each BIDDER certifies as to its own organization, that this BID has been arrived at independently, without consultation, communications, or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

BIDDER agrees to perform all work described in Specification Documents for the following unit prices:

**PROPOSAL FORM**

**Bid for Polymer Overlay for 23<sup>rd</sup> Street Bridge in the Town of Rice Lake**

**PRICE/SQ. YARD:** \_\_\_\_\_ **# OF SQ YARDS:** \_\_\_\_\_ **TOTAL BID PRICE: \$** \_\_\_\_\_

**Specify approximate starting date** \_\_\_\_\_

In submitting this bid, it is understood that all work must be completed in accordance with the time schedule set forth in this proposal form, and the Town of Rice Lake reserves the right to reject any or all bids, to waive informalities, and to accept the bid proposal deemed most advantageous to the Town of Rice Lake.

It is agreed that this bid will not be withdrawn.

Upon the acceptance of this proposal, the successful Bidder shall be the Contractor and all references in the proposal to the Bidder shall apply to the Contractor for the year bid.

Respectfully Submitted,

Contractor Signature \_\_\_\_\_  
Printed Name \_\_\_\_\_  
Company Name \_\_\_\_\_  
Company Address \_\_\_\_\_  
\_\_\_\_\_  
Telephone Number \_\_\_\_\_  
Email Address \_\_\_\_\_  
Date \_\_\_\_\_

.....  
ACCEPTANCE OF PROPOSAL - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as specified in the contract.

Date of acceptance: \_\_\_\_\_

\_\_\_\_\_  
Dean A. Borofka, Chairman  
Town of Rice Lake



# Town Of Rice Lake

Barron County, Wisconsin

## ATTENTION ALL CONTRACTORS SUBMITTING ROAD WORK BIDS:

The Town of Rice Lake now requires this form to be submitted with all road work bids to ensure that contractors are meeting industry standards.

Contractor \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

### 1. Do you have a drug testing policy which includes *random* testing?

\_\_\_\_\_ NO

\_\_\_\_\_ YES Medical Review Officer: \_\_\_\_\_

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

Consortium Management Group: \_\_\_\_\_

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

### 2. Do you have Traffic Control / Flagger Training?

\_\_\_\_\_ NO

\_\_\_\_\_ YES Trainer: \_\_\_\_\_ Phone: \_\_\_\_\_

Most recent training date: \_\_\_\_/\_\_\_\_/\_\_\_\_

### 3. Do you have a written Safety Program?

\_\_\_\_\_ NO

\_\_\_\_\_ YES *Please circle topics covered in the program*

Flagger Training

Traffic Control

Hazard Communication

Lockout / Tagout

Fire Protection

Personal Protective Equipment

Hearing Conservation

Drug Testing

Bloodborne Pathogen Awareness

Vehicle Inspection / Maintenance

Driver Logs

Respiratory Protection

### 4. Do you conduct Safety Meetings?

\_\_\_\_\_ NO

\_\_\_\_\_ YES Conducted by: \_\_\_\_\_ Phone: \_\_\_\_\_

How often: \_\_\_\_\_ Last date held: \_\_\_\_/\_\_\_\_/\_\_\_\_

**As an officer of the company, I verify the above is true and accurate.**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

Town Hall, 1830 Macauley Ave., Rice Lake, WI 54868 Phone & Fax (715) 234-8087

Email: [townhall@townofricelake.com](mailto:townhall@townofricelake.com) Dean A. Borofka, Chairman (715) 296-6258

Janet Tomesh, Clerk/Treasurer Mary Dodge, Deputy Clerk/Treasurer

