



**Municipality of
Magnetawan**

P.O. Box 70, 4304 Hwy 520
Magnetawan, ON
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Lead Contact: Scott Edwards
Public Works Superintendent
P.O. Box 70, 4304 Hwy 520
Magnetawan, ON
P0A 1P0

Email: publicworks@magnetawan.com

Request for Tender

***Project Name: "2023-02 - Replacement of the Orange
Valley Road Bridge"***

Date of issue: Wednesday, June 7, 2023

Tender Submission Deadline: Tuesday, June 27, 2023, by 3:00 p.m.

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1. Project Work Title

“RFT 2023-02 Replacement of the Orange Valley Road Bridge”

2. Introduction

The Municipality of Magnetawan is inviting Tenders for the Orange Valley Road Bridge Replacement.

This Request for Tender document (and any other applicable attachments or addenda) is available in PDF format through the Municipality of Magnetawan’s website at www.magnetawan.com

Any information contained in the Request for Tender that is changed by the Bidder (except for filling in the blanks) will be grounds for disqualification.

Magnetawan’s Procurement By-law is available for review at the Municipal Office or on the website.

3. Schedule of Events

The Request for Tender (RFT) process will be governed according to the following schedule. Although every attempt will be made to meet all dates, the Municipality reserves the right to modify any or all dates at its sole discretion.

Release of Tender	-	Wednesday, June 7, 2023
Deadline for Questions	-	Friday, June 23, 2023 at 12 noon
Deadline for Submission	-	Tuesday, June 27, 2023 at 3:00 P.M. local time
Notification of Award	-	Thursday, July 13, 2023 (May change, subject to budget compliance)

4. “RFT 2023-02 Replacement of the Orange Valley Road Bridge”

Scope

The Municipality of Magnetawan hereinafter called the “Municipality” invite Tender Submissions from qualified/certified Contractor/Firm(s) interested in “RFT 2023-02 Replacement of the Orange Valley Road Bridge”.

This Contract shall be governed in accordance with *OPSS.MUNI.100 (Nov. 2019)* except as modified herein, and by specific clauses in the subsequent contractual agreement between the Municipality and the successful contractor/firm. The following terms of reference and deliverables outline the scope of the project and the Contractor/Firm shall:

Traffic management, remove existing structure, including steel superstructure, timber deck, timber abutments, piers, and abutment footings, construct new precast concrete abutments founded in steel Bolt-A-Bin footings on suitable substrate, supply and install a new 21.34m (70’) Modular Bridge, complete with timber decking system, install steel beam guide rail on structure and approaches, re-grade approaches, and associated works.

Request for Tender 2023-02
Replacement of the Orange Valley Road Bridge
Closing Tuesday, June 27, 2023 at 3:00 P.M. local time

See Schedule “A” for additional information

Contact and Review

All questions or inquiries must be made in writing or email to the Lead Contact named below by the specified date and time:

*Scott Edwards
Public Works Superintendent PO
Box 70, 4304 Hwy 520
Magnetawan, ON
P0A 1P0
publicworks@magnetawan.com*

IMPORTANT: A Bidder may be disqualified if they make inquiries, between the Tender issue date and the notification of the Award, in a manner other than that described in this RFT or to anyone involved in the process who is not the Lead Contact, including but not limited to the members of Council. This is to ensure that each Bidder receives the same information, and that no Bidder receives unfair treatment during the RFT process.

Bidders shall carefully review this RFT. If questions concerning clarification of the contents of this document arise, the questions must be made in writing and received by the Lead Contact to allow time for the issuance of any necessary addenda. Protests based on any omission or error or on the content of the RFT will be disallowed if these perceived faults have not been brought to the attention of the Lead Contact.

In submitting an RFT, the Bidder acknowledges that they have read, completely understand, and accept the terms and conditions of the RFT in full. The Municipality of Magnetawan is not responsible for any misunderstanding of the RFT.

5. Tender Submission Process

Date and Location for Receiving Tender Submissions

Tenders shall be submitted in the form and format specified in Schedule “A” and shall include the completed Tender Form included as Schedule “B” at the end of this document. A designated signing officer authorized to bind the Bidder to the provisions of their Tender must sign the Tender Form.

All hard copy Tenders must be signed, sealed, the envelope marked with the Bidder’s name and the Project Name, and received by: The Municipality of Magnetawan, P.O. Box 70, 4304 Hwy 520, Magnetawan, ON P0A 1P0.

Electronic submissions will be accepted in response to this RFT. Electronic submissions will not be reviewed until the Tender opening date. Electronic submissions in PDF format will be received by: Laura Brandt lbrandt@magnetawan.com.

Faxed submissions will not be accepted.

Project Name: RFT 2023-02 REPLACEMENT OF THE ORANGE VALLEY ROAD BRIDGE

Tenders must be received no later than Tuesday June 27, 2023 by 3:00 p.m.

Tenders must not be restricted by a statement added to the Tender Form or by a covering letter, or by alterations to the Tender Form supplied unless otherwise provided in the RFT.

The onus unequivocally remains with the Bidder to ensure that the Municipality of Magnetawan receives Tenders delivered by the Tender Submission Deadline, in accordance with the submission process described in this section. Tenders received after the Tender Submission Deadline will not be considered.

6. Submission of Offer

The tender submission shall be submitted clearly identifying the document(s) as “RFT 2023-02 Replacement of the Orange Valley Road Bridge” and on the attached “Tender Submission Form”.

For the Municipality of Magnetawan to evaluate Tenders fairly and completely, Bidders shall provide **all** information requested in the format set out in the RFT. Failure to provide all required information as detailed in this section may result in the Bidder being disqualified or scoring poorly in the evaluation.

Each Proponent shall submit one (1) set of their Tender, containing the following items:

• An indication of the Proponent’s understanding of the project scope and requirements, including how the specific required services shall be met.	
• List of equipment type including description to be used in project, • Critical Path Schedule	
• An overview of the Company submitting the tender, along with an overview of any sub-contractors which will be taking part in the work on behalf of the Proponent, and their legal/contractual relationship to the Proponent.	
• An overview of the Proponent’s experience and expertise, as well as the expertise of any sub-contractors that will be involved as part of the Proponent’s team.	
• A Completed Tender package including signatures.	
• Tender Addendums signed by Proponent for acknowledgement.	
• All necessary sureties, bid bond, etc.	

The contractor/firm understands that by signing the tender submission forms and by offering submission to this request for tender that they agree to all terms and conditions as they appear in the Request for Tender, and that they confirm the following:

- The contractor/firm has carefully examined the specifications and Request for Tender forms
- That the contractor/firm has provided all information as requested in Schedule 'A' (attached).
- That the contractor/firm understands and accepts the said conditions and specifications, and for the prices set forth in their tender submission, hereby offers to furnish all labour, equipment, materials, and remove and dispose of related waste except as otherwise specified in the Request for Tender documents, to complete the work in strict accordance with said conditions and specifications.

6.1 The tender submission shall include as a minimum:

- All information and documentation as set out in Schedule 'A' (attached)
- Schedule 'B' completed in full (attached)
- A certified cheque, bank draft, irrevocable letter of credit, money order and where appropriate, a bid bond issued by an approved guarantee company properly licensed in the Province of Ontario, on bond forms acceptable to the Municipality, shall be submitted as deposit. Cheques and bid bonds shall be made payable to the Municipality of Magnetawan, for deposit purposes. The proceeds of this security shall, upon acceptance of the tender, constitute a deposit which shall be forfeited to the Municipality, if the successful contractor/firm fails to execute the contract with the Municipality.

For those projects using the OPSS based tender documents the value of the Bid Bond required as specified below will be consistent with the OPSS:

Total Acquisition Cost	Minimum Deposit Required
All Contracts	10% of the Bid

Tender deposits or bid bonds shall be returned by mail to all contractor/firm(s) except the "successful contractor/firm" and the runner up, immediately following award of tender. For the successful contractor/firm and the runner up, these documents shall be held until the successful contractor/firm executes the contract with the Municipality. If the successful contractor/firm fails to execute the contract then the tender deposit or bid bond shall be forfeited. The successful contractor/firm's tender deposit shall be held until successful completion of the project.

6.2 The Municipality of Magnetawan will notify the Contractor/Firm of award on or before date specified in Section 3 "Schedule of Events" (may change, subject to budget compliance).

6.3 All questions related to the Request for Tender shall be in writing and submitted to Scott Edwards, Public Works Superintendent at publicworks@magnetawan.com All questions and responses shall be sent to and shared with all Contractor/firm(s).

7. Contract

The successful contractor/firm will be required to enter into a formal Contract with the Municipality. The complete "RFT 2023-02 Replacement of the Orange Valley Road Bridge" Request for Tender document and the contractor/firm(s) total dollar amount of the tender submission will form part of the Contract. The Municipality will prepare the Contract for execution by both parties. The Municipality will not accept a Contract document prepared by the contractor/firm or a third party.

The successful contractor/firm must submit the following to the Municipality within ten (10) days of the Contract award:

- A fully executed contract in triplicate;
- **If the submission amount (HST excluded) is over \$100,000.00, the contractor/firm shall provide the following security to replace the tender deposit or bid bond:**
 - a. A Performance Bond in the amount of one hundred percent (100%) of the contract to guarantee the performance of the contract; and
 - b. A Labour and Material Bond in the amount of one hundred percent (100%) to guarantee the payment for labour and materials to be supplied in connection with the contract.
 - c. Bonds shall remain in force throughout the two year warranty period.
- Insurance:

The successful contractor/firm at the contractor/firm's expense, shall furnish the Municipality with a "Certificate(s) of Insurance" of a liability insurance policy covering public liability and property damage for no less than the minimum amounts stated below to the satisfaction of the Municipality, naming **The Municipality of Magnetawan** and **D.M. Wills Associates Ltd.** as additional insured and keep in force and to supply prior to the Contract commencement date and for the entire Contract period.

The standard insurance minimums are as follows:

- \$2 million – general liability policy.
- \$2 million - automobile liability policy.
- \$5 million – general liability and automobile liability policies – for contract work done for most public works and environmental services department projects which have specific high risk activities such as shoring or blasting.
- \$2 million – professional errors and omissions liability (if applicable).
- Not more than \$2 million annual aggregate.

The policy must contain:

- a. A "Cross Liability" clause or endorsement.
- b. An endorsement to the effect that the policy or policies will not be altered, cancelled, or allowed to lapse without thirty (30) days prior written notice to the Municipality.
- c. All loading and transportation equipment owned, leased, or used by the contractor/firm to carry out the work must be included in an Automobile Liability Insurance package provided by the contractor/firm and filed with the Municipality prior to commencement of the work, with a limit of five million dollars (\$5,000,000.00) inclusive per occurrence or claim for bodily injury, death and damage to property.

- d. Contractor/Firm's liability insurance policy shall not contain any exclusions of liability for damage, etc. to property, building or land arising from:
- The removal or weakening of support of any property, building or land whether such support be natural or otherwise;
 - The use of explosives for blasting; and/or
 - The vibration from pile driving or caisson work, provided that the minimum coverage for any such loss or damage shall be five million dollars (\$5,000,000.00).
- The successful contractor/firm shall have Worker's Safety and Insurance Board (W.S.I.B.) coverage for the type of work to be performed and shall provide the Municipality with a "Clearance Certificate" furnished by W.S.I.B. in advance of undertaking any of the work required by the contract and additional clearance certificates to cover the duration of the contract. The clearance certificate provided by W.S.I.B. certifies that the contractor/firm is in good standing with W.S.I.B., and confirms that their account is active and up to date.
 - The successful contractor/firm must provide proof of Fall Arrest Certification.
 - Where the contract involves work within the traveled portion of a roadway, an acknowledgement of its understanding of the Ontario Traffic Manual and agreement to abide by that manual prior to performing any work within the roadway.
 - Contractor/Firm shall provide a copy of their Health and Safety Policy to the Municipality prior to the contract commencement date.
 - Evidence of compliance with any other legislation by which the trade or activity is governed is to be provided.

Failure to execute the contract and to file all documentation, as required herein, within the specified time period shall be just cause for the cancellation of the contract.

The Municipality shall then have the right to award the contract to any other contractor/firm or re-issue the Request for Tender.

- **Warranty:**
All contracted work to be completed shall be warranted for not less than a two (2) full years period following the completion of all projects within the contract. The contractor/firm shall make good in a permanent manner, satisfactory to the Public Works Superintendent or designate, any and all defects or deficiencies in the work both during construction and aforementioned warranty period. The contractor/firm shall commence repairs on any work identified as defective under this clause within forty-eight (48) hours of receipt of notice from the Municipality.

8. Acceptance or Rejection of Tender Submissions

As part of the evaluation process, the Municipality of Magnetawan may contact one or more Bidders to clarify or obtain more information about their Tender or to request the Bidder to exhibit or otherwise demonstrate the information contained therein. The purpose of these discussions will

be to ensure full understanding of the requirements of the RFT. Discussions will be limited to specific sections of the RFT identified by the evaluation committee. The Lead Contact will only hold discussions with Bidders who have submitted a Tender deemed to be reasonably acceptable for Award.

The Municipality of Magnetawan may make an award based on the tenders received without further discussion with the Bidders. Therefore, each initial offer should contain the Bidder's best terms/information, including all required documentation as listed in this RFT. The evaluation committee will recommend Award to Council for the Bidder achieving the specifications required and the lowest price.

The successful Bidder shall be notified of the Award in writing to the e-mail address given on the Tender Form, and/or may be contacted verbally by the Lead Contact.

The Municipality reserves the right to accept or reject any or all tender submissions, for any reason whatsoever, including if considered best for the interest of the Municipality.

Lowest of any tender submission may not necessarily be accepted.

The Municipality reserves the right to cancel the tender request at any time up to the award of the Contract.

The Municipality reserves the right to enter into negotiations with qualified contractor/firm(s) (contractor/firm(s) that have demonstrated they are capable of carrying out the project successfully) that submitted a tender submission, in order to achieve budget compliance (see Schedule "A and B" for details).

The Municipality reserves the right to issue an amended Request for Tender to the qualified contractor/firm(s) that submitted a tender submission.

9. Confidentiality

Any information provided to the Bidder by the Municipality of Magnetawan before, during or after the project is completed shall be treated as confidential and shall not be used or communicated by the Bidder or any third party in any way unless otherwise identified or permitted by the Municipality of Magnetawan. The information, reports, documentation, plans, etc. that are produced by the successful Bidder in response to this project shall become the exclusive property of the Municipality of Magnetawan. However, intellectual property, such as specific tools, templates, processes, etc. that the Bidder provides as part of the deliverables remains the property of the Bidder.

The tender submission must not be restricted by any statement, covering letter or alteration by the contractor/firm in respect of confidential or proprietary information. The Municipality shall treat all tender submissions as confidential. The Municipality shall comply with the *Municipal Freedom of Information and Protection of Privacy Act* (MFIPPA), and its retention by-laws pursuant to the Municipal Act, in respect of all tender submission documents.

All public reports approved by the Municipal Council will become public information. Such public

reports will not include actual tender submission documents but shall refer to the documents and include the total amount of tender submission.

Any personal information required in the Tender is received under the authority of the Municipality of Magnetawan. This information shall be an integral component of the submission. All written Tender received by the Municipality of Magnetawan become a public record. Once a Tender is accepted by the Municipality of Magnetawan and the contract has been awarded, all information contained in the Tender may be available to the public, including personal information. Questions about the collection of personal information and the *Municipal Freedom of Information and Protection of Privacy Act, 1989, R.S.O. 1990*, as amended may be directed to the Lead Contact.

10. Errors and Omissions

The Municipality shall not be held liable for any errors or omissions in any part of this Request for Tender. While the Municipality has used considerable effort to ensure an accurate representation of information in this Request for Tender, the information contained within is supplied solely as a guideline for the contractor/firm(s). The information is not guaranteed or warranted to be accurate by the Municipality, nor is it necessarily comprehensive or exhaustive. It is the responsibility of the contractor/firm(s) to check that the information provided is correct and ensure they have all information required to submit an accurate submission with any changes necessary.

11. Legislative and Licensing Requirements

All contractor/firm(s) and tender submissions must comply with any law, including all legislation and regulations, which may be applicable to the services provided subsequent to the Request for Tender.

The successful contractor/firm shall, as a condition of the Contract, be required to comply with the applicable laws of the Province of Ontario and Canada, including but not limited to the:

Construction Act
Occupational Health and Safety Act
Ontario Human Rights Code
Pay Equity Act
& any and all other legislation as laid out in the attached schedules

The contractor/firm shall work in compliance with all health and safety regulations to include, but not be limited to, the utilization of proper protective clothing, equipment, and ensure that all equipment is kept up to safe operating standards at all times. The contractor/firm acknowledges its obligations under the *Occupational Health and Safety Act*, and the Municipality's safety policy.

Any agreement that results from this Request for Tender will be subject to the laws of the Province of Ontario and Canada.

All Procurement activities on behalf of the Municipality of Magnetawan shall be undertaken in compliance with Section 13 of the *Ontarians with Disabilities Act, 2001 S.O. 2001, Chap. 32*, and

the *Accessibility for Ontarians with Disabilities Act, 2005* and all related regulations requiring regard to accessibility for persons with disabilities to the Goods or Services.

All contractor/firm(s) are required to acknowledge their obligations under the *Accessibility for Ontarians with Disabilities Act, 2005*, (AODA) and its regulations and evidence of compliance satisfactory to the Authorized Person in his or her sole discretion, prior to the commencement of a project. The addition of this clause is required for compliance with the AODA, 2005.

12. Protection of Public and Traffic

- a. All traffic control procedures and devices shall conform to the requirements of the following references:
 - i. The Ministry of Transportation – “Traffic Control Manual for Roadway Operations”
 - ii. The Ministry of Transportation – “Ontario Traffic Manual “ – Book 7
- b. **The Contractor shall keep the Public Works Superintendent, School Boards, Post Office, Fire Department, Police Department and Ambulance Service notified of all construction operations affecting the closure.**
- c. **The Contractor shall maintain access for residents and businesses at all times during construction.** All property entrances are to be maintained for use after the normal work day. Any disruptions during the day should be kept to a minimum, reinstating the entrance as early as possible.
- d. Materials and equipment shall not be stored within 4.0m of the traveled portion of the roadway. In addition, the contractor/firm shall, at his own expense, remove any equipment or material which the Public Works Superintendent and/or designate constitutes a traffic hazard.
- e. The contractor/firm shall install warning signs indicating fresh surface treatment, or similar wording acceptable to the Public Works Superintendent and/or designate, at the project limits and any intersection throughout the project and speed reduction warning signs of forty (40) km/hr, and such signs shall remain in place for a minimum of 14 days after completion of the work, or longer if directed by the Public Works Superintendent and/or designate.

13. Utility Locates

The contractor/firm is advised that there may be utilities within the contract limits and the contractor/firm will be required to work within the limits of these utilities. Any damage that occurs is to be repaired at the contractor/firm’s own expense. The contractor/firm is responsible for familiarizing himself with the site and all utility placements.

The contractor/firm shall contact the utility companies to establish the exact location, type and configuration of utilities. The contractor/firm shall exercise the necessary care in construction operations and to take such other precautions as are necessary to safeguard the utilities from damage. The contractor/firm shall follow the utility companies’ protocol for work around their infrastructure where applicable.

The contractor/firm must satisfy himself of the locations of all such services and items of public and private property which may be disturbed by his work, and the cost of locating, protecting and temporarily supporting such facilities shall be included in the unit prices tendered. There shall be no extra payment to the contractor/firm for this work.

14. Incurred Costs

The Municipality shall not be responsible for any liabilities, costs, expenses, loss or damage incurred, sustained, or suffered by any contractor/firm prior or subsequent to or by reason of the acceptance or non-acceptance by the Municipality of any tender submission, or by reason of any delay in the acceptance of a tender submission.

The Municipality shall not be held liable for any portion of any agreement that contractor/firm(s) have entered into with subcontractors and/or suppliers in relation to this request for tender or subsequent contract. The contractor/firm(s) shall be liable for any and all supervision, adherence to legislation, terms and conditions of the Request for Tender, terms and conditions of Contract, payments, and litigation arising from their arrangement with a subcontractor or supplier.

When/if damage is caused to Municipal or private property and/or equipment, by the contractor/firm it is the responsibility of the contractor/firm to notify the appropriate Municipal authority immediately of the damage so that it can be inspected. The contractor/firm shall then be responsible to repair (or make arrangements for repair) the damage as specified by the appropriate Municipal authority and within a timely manner, so as not to cause interruptions of Municipal services. All costs associated with repair will be the responsibility of the contractor/firm.

15. Terms of Payment

Payment will be made in response to invoices itemized in accordance with the contract. Invoices shall be based on work/deliverables delivered as described in the scope of the project. The completed project must meet the minimum requirements/specifications and be inspected by the Public Works Superintendent or designate and completed to the Municipality's satisfaction. The contractor/firm shall provide detailed invoice(s) to the CAO/Clerk and the Public Works Superintendent as work progresses and upon the last day of work.

All contracted work shall be completed prior to the fixed completion date of October 27th, 2023. Each day over the prescribed completion date shall result in a five-hundred-dollar (\$500.00) reduction to payment per calendar day in default.

The Municipality shall retain a holdback payment of ten percent (10%) of the total invoiced amount. Release of the holdback, tender deposit, or applicable bonds shall be made in accordance with the *Construction Act RSO 1990*, and the submission by the contractor/firm of the following:

- Publication of Contract Substantial Completion, and provision of proof of advertising; as appropriate.

- A statutory declaration in a form satisfactory to the Public Works Superintendent that all liabilities incurred by the contractor/firm and the contractor/firm's subcontractors in carrying out the work have been discharged, qualified by stated exceptions where appropriate.

Please note – re: COVID-19:

In the event that the Contractor/Firm is deemed a non-essential service pursuant to the *Emergency Management and Civil Protection Act*, the Municipality reserves to itself the right to cancel this tender where the tender has not been awarded, or terminate the Contract where the tender has been awarded. The project is time-sensitive and the Municipality requires completion before the end of 2023. If this cannot be accomplished due to the Global pandemic, the Municipality reserves the right to cancel this project.

Schedule "A" - Details and Specifications

RFT 2023-02 Replacement of the Orange Valley Road Bridge
Closing date Tuesday, June 27, 2023 3:00 P.M. local time

The Replacement of the Orange Valley Road Bridge Shall Be In Accordance With the Minimum Requirements/Specifications As Listed Below

OPSS - Ontario Provincial Standard Specifications, SP: Special Provisions

Contract Specifications

Ontario Provincial Standard Specifications (OPSS) and Standard Drawings (OPSD) current at the time of tendering will be applicable to the Items under this contract.

1. General

All Ontario Provincial Standard Specifications (OPSS) referenced herein and those referenced by the specifications shall apply to and form part of this Contract.

The text of all OPSS's is contained in the manual "Ontario Provincial Standard Specifications". Reference in the Contract Documents to any OPSS's not listed above shall automatically include the specification as part of the Contract.

NOTE: The text for the noted specifications and standard drawings can be obtained from the MTO Library website at:

<https://www.library.mto.gov.on.ca/SydneyPLUS/TechPubs/Portal/tp/TechnicalPublications.aspx>.

It shall be the Contractor's responsibility to obtain the applicable edition of the following Ontario Provincial Standard Drawings

2. Contract Drawings

Orange Valley Road Bridge Replacement

- 1) Title Page
- 2) General Arrangement
- 3) Detour Plan
- 4) Removals
- 5) Abutment Details
- 6) Standard Drawings

The Contract also includes all OPSDs referenced in the above and all other associated OPSS.

General Special Provisions

Operational Constraint Species at Risk

Protection of Species at Risk (SAR)

The *Endangered Species Act, 2007* provides for the protection of Species at Risk in Ontario.

Section 9 of the Act prohibits the killing, harming, harassing, taking possessing, transporting, collecting, buying, selling, leasing, or trading or offering to buy, sell lease or trade of species listed as endangered, threatened or extirpated on the Species at Risk in Ontario (SARO) List.

Section 10 of the Act prohibits the damage or destruction of the habitat of endangered or threatened species that have general or regulated habitat protection under the Act.

The Contractor shall be in compliance with the prohibitions in Section 9 and 10 of the Act in the event that any species at risk is encountered during construction.

Scope of Work

The requirements of this Special Provision shall apply to the protection of all Species at Risk listed by the Ministry of Natural Resources for the Magnetawan region, or other appropriate Ministry of the Environment or Federal Species at Risk registries.

Contractors should familiarize themselves and their staff with the physical characteristics of these species. The Ministry of Natural Resources offers information on these species on their web site:

Compensation

No additional compensation shall be made for protection of Species at Risk encountered during the work in accordance with the requirements of this Special Provision or for any delays in the work that occur as a result of such encounters.

Notice to Contractor Damage to Equipment

Any damage to Contractor equipment or materials on site shall be the responsibility of the Contractor.

1. CONTRACT ADMINISTRATOR

The Municipality's Contract Administrator for this project will be Mr. Lucas Maines, C.E.T., D.M. Wills Associates Ltd. or his designate.

2. ASSUMED CONSTRUCTION NORTH

For the purpose of this Contract, it is assumed that Orange Valley Road runs 'east-west', with Nipissing Road located at the east end.

3. WORK BY OTHERS WITHIN THE CONTRACT LIMITS

The relocation of utilities shall be carried out with the approval of the appropriate utility companies. It is the Contractor's responsibility to contact the appropriate agencies in regard to the exact location of all utilities, to exercise the necessary care in construction operations and to take such other precautions as are necessary to safeguard the utilities from damage.

The Contractor is advised that utility relocations by others may be occurring during this Contract. It is the Contractor's responsibility to coordinate their activities so as not to conflict with the activities of these utility companies. A physical separation must be maintained between work areas of the utilities and the Contractor's operations. The following outlines the different utility companies and the extent of work/notification they require during the course of this contract:

- Currently there is no scheduled work in conjunction with this project.

Should this work or any unforeseen utility work be required and if the Contractor's work must occur simultaneously and directly adjacent to work by others, a separate fenced area must be maintained to physically delineate the working areas, at no cost to the Municipality.

No claims will be considered which are based on delays or inconvenience resulting from the relocation not being completed before the start of this Contract.

4. CONTRACT SCHEDULE AND MEETINGS

The Contractor shall report the progress of the work to the Contract Administrator on a **bi-weekly** basis (or more frequently if deemed necessary). The report shall focus on tracking of the actual progress of the work against the Contractor's detailed schedule, which is based on the above time frame.

A detailed critical path schedule shall be prepared by the Contractor and submitted with the Tender. Tenders submitted without the schedule may be deemed incomplete and subsequently may be rejected at the discretion of the Municipality.

The schedule shall include all controlling operations, major milestone dates and requirements of others. Updates of the work program shall be provided every two weeks on the same day of the week for the duration of the contract. Regular submissions shall coincide with the Contract site meetings. No payment certificate will be issued until the Contractor updates the schedule. No extra payment will be made for this delay.

5. LAYOUT BY THE CONTRACTOR

The Contractor will be responsible for all layout required by the provided line and grades and for protecting the same for the duration of the Contract so as to ensure the accuracy of the work.

Item Specific Special Provisions

1. MOBILIZATION AND DEMOBILIZATION – ITEM 1

Under this Item, the Contractor shall undertake the following work:

- a) Mobilize all required equipment and temporary facilities to the site;
- b) Where necessary, obtain permits / approvals;
- c) Protect all utilities and other similar infrastructure during the course of the work, including all required locates, protective measures, daylighting, etc. as required to do the work.
- d) Remove all equipment, temporary facilities, and surplus materials upon completion;
- e) Clean up and remove all debris for proper off-site disposal;
- f) Restore all disturbed vegetated areas to original conditions or better with topsoil (per *OPSS 802*), standard roadside seed mix (per *OPSS 804*), and cover (as required).
- g) Perform all other work required to mobilize and demobilize to/from the site not covered under other pay items.

The Mobilization start date shall be contingent on the scheduled delivery date of the Permanent Modular Bridge (Item 14), the start date shall commence a maximum of 3 weeks prior to the bridge delivery.

This item shall also include all work to prepare the existing vegetation and boulders / debris on embankments as required in order to complete the project works, including but not limited to clearing, grubbing, trimming, grading etc. Clearance of trees required shall be mutually agreed with the Contract Administrator, prior to removal. All work shall be carried as per the requirements of *OPSS MUNI.201*.

This item covers the Contractors costs associated with the transportation and or accommodation (meals and lodging) of labour, equipment, offices, conveniences, temporary facilities, construction plant and other items not required to form part of the permanent works and not covered by the other items in the Schedule of Unit Prices.

50% of the total bid price for this Item will be paid in the first progress payment; the remaining 50% for the Item will be paid upon completion of the work.

2. ENVIRONMENTAL PROTECTION – ITEM 2

Under this Item the Contractor is required to supply all labour, equipment, and materials for the protection of the watercourse, its water quality and fish habitat during the project. Installation, maintenance and removal of mitigation measures listed below, as necessary to achieve this protection, are required:

- Light Duty Silt Fence Barriers as per *OPSD 219.110*;
- Straw Bale Flow Checks as per *OPSD 219.180*;
- Temporary Rock Flow Checks as per *OPSD 219.210*;
- Turbidity Curtains as per *OPSD 219.260*.

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In addition, this item shall include, but is not limited to:

- i) Restoration of the water body and water body banks to conditions existing at commencement of construction or as otherwise specified on the drawings;
- ii) Placement of filter cloth over all catch basins, manhole covers and deck drains within the construction zone to contain all sediment run-off as a result of the bridge work;
- iii) Provision of all protection measures to ensure that no deleterious material from any operation enters the stream with particular concern for demolition debris and sediment from runoff;
- iv) No refuelling of vehicles, equipment, etc. is to take place within 30m of a watercourse;
- v) Stationary equipment operating within 30m of the watercourse shall have hydrocarbon spill containment measures in place;
- vi) Disturbed areas at the construction site are to be stabilized and re-vegetated after completion of the project, using native plant species as much as possible, and the site is to be restored to a pre-construction state or better;
- vii) Machinery shall not operate directly in a watercourse.
- viii) Relocation of existing trees as shown on the Contract Drawings and as directed by the Contract Administrator.

For progress payment, fifty percent (50%) of the lump sum price will be paid upon supply and installation of all protection measures associated with the work. The remaining fifty percent (50%) shall be paid upon successful completion of the Contract.

3. GRANULAR 'A' – ITEM 3

Under these Items and for the Contract unit prices, the Contractor shall supply, place and compact in accordance with *OPSS 501*, granular 'A', as shown on the Contract Drawings and as directed by the Contract Administrator. All granular materials shall be compacted to 98 Percent Standard Proctor Maximum Dry Density. Compaction testing shall be carried out by a third-party certified geotechnical technician approved by the Contract Administrator. Price for the compaction testing shall be included under this item.

The following work will be included:

- a) Granular fill for new Bolt-a-Bin cribs;
- b) Backfill to the excavations for the abutments and retaining walls;
- c) Re-grading and widening of the structure approaches to accommodate smooth transitions in grade and new structure width.
- d) Re-grading and widening to accommodate guiderail installation.
- e) Fine adjustments to the base to suit the new precast footings.

Water shall be applied to the materials to assist compaction, as directed by the Contract Administrator and shall be included in the Contract unit price.

The Contractor shall not be permitted to use other than hand operated vibratory type compaction equipment for compaction of backfill material within the restricted zone behind all earth retaining structures. Restricted zone at abutments is the area within a plane extending from the base of the back face of the wall, at the limit of excavation, upwards at a slope of 1.0 vertical to 1.0 horizontal.

Amendment to *OPSS 1010*:

Subsection *1010.05.02* and *1010.05.03* of *OPSS 1010, November 2003* is replaced by the following:

Granular 'A' to be utilized can only be produced by the crushing of Quarried Granite Rock. Reclaimed or deleterious material is not acceptable.

4. REMOVAL OF BRIDGE STRUCTURE – ITEM 4

Under this Item and for the Contract price, the Contractor shall supply all labour, materials and equipment necessary to perform the following work in accordance with *OPSS 510*:

- a) Removal of the existing bridge superstructure, including timber deck, steel structural components, railings, etc.
- b) Removal of the bridge substructure, including abutments, wingwalls, and abutment / wingwall footings;
- c) Removal of existing retaining walls;
- d) All full depth removals not provided for under other Items of this Contract.

Under this Item and for the Contract price, the Contractor shall field cut and remove existing reinforcing steel, as shown on the Contract Drawings and as directed by the Contract Administrator.

The Contractor shall carefully remove all above elements and take all necessary precautions to prevent any debris from falling into the watercourse. Any materials which fall into the watercourse shall be located and removed immediately under the direction of the Contract Administrator. The Contractor shall observe all safety laws and regulations in carrying out the work of this and all other Items. Full protection system shall be in place during all removals to ensure no material enters the watercourse.

Any damage caused to existing components designated to remain (temporarily or permanently) as a result of the Contractor's operations shall be repaired by the Contractor at his own expense and to the complete satisfaction of the Contract Administrator.

All removals from the existing structure, except as specifically noted, shall remain the property of the Contractor to be disposed of by the Contractor off the limits of the Contract, at a location arranged for by the Contractor at his own expense and to the satisfaction of the Contract Administrator. When hauling removals, rubble, excavated materials or fill from or to the site, the Contractor shall comply with the requirements of the *Highway Traffic Act*.

Payment for this Item, at the contract price, shall be payment in full for all labour, equipment and materials necessary to complete the work.

5. RIP-RAP – ITEM 5

The unit price for this Item shall include full compensation for the supply and installation of all required rip-rap and geotextile, as required by *OPSS 511*, as noted on the Contract Drawings, and as directed by the Contract Administrator. No separate measurement for geotextile shall be made.

All rip-rap placed shall be crushed or fractured granite fragments, with gradation requirements as per *OPSS 1004*. No limestone, reclaimed concrete or other material will be permitted to be placed.

6. SHOTROCK (GABION STONE) – ITEM 6

OPSS 511 shall apply except as amended and extended herein:

511.01 SCOPE

Section 511.01 of *OPSS MUNI.511* is amended by the addition of the following:

Under this Item and for the contract unit price, the Contractor shall provide all labour, equipment and materials necessary to supply and driving of gabion stones into the exposed subgrade soils on the west side of the bridge. This driving of gabions must be achieved using a large, powerful excavator suitably equipped to drive or hammer such material into the soils present, to be approved by the Contract Administrator

The material shall be in accordance with *OPSS 1004*.

7. TRAFFIC CONTROL (DETOUR) SIGNING – ITEM 7

Amendment to *OPSS.MUNI 706*

706.01 SCOPE

Section 706.01 of *OPSS.MUNI 706* is amended by the addition of the following:

The lump sum price for this Item shall be full compensation for the supply of all labour, equipment, and materials necessary to meet the traffic management restrictions and requirements set forth in the Contract.

The Contractor shall **completely close Orange Valley Road at the bridge location** and maintain a detour route, all of which shall be completed in accordance with the Contract Drawings and the Ontario Traffic Manual (Book 7), Temporary Conditions. The Contractor shall supply, locate, relocate, erect, operation, maintain, and remove all construction signs, delineators, precast concrete barriers, end treatments, pedestrian barricades, etc. The Contractor shall coordinate all traffic control and road closures to commence a maximum of three weeks prior to the scheduled delivery date of the Permanent Modular Bridge (Item 14).

Access to driveways / roadways adjacent to the structure shall be maintained at all times. Any temporary widening of existing roadway platforms, traffic protection, etc. required to maintain access shall be deemed included under this Item.

706.02 REFERENCES

Section 706.02 of *OPSS MUNI.706* is amended by the addition of the following:

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Traffic control on this Contract shall be in conformance with Ministry of Labour Policies, Occupational Health and Safety Act, safety provisions of the Municipality of Magnetawan and the procedures outlined in the pamphlet entitled "Correct Methods for Traffic Control" issued by the Construction Safety Associations of Ontario. Copies of this pamphlet may be obtained from the Ministry of Transportation's District Office.

706.03 DEFINITIONS

Section 706.03 of OPSS MUNI.706 is amended by the addition of the following:

For the purposes of this Contract, the OPSS MUNI.706 definition of "Construction Signs" is amended to include all Contract Identification and Public Advisory Signs.

706.04 DESIGN AND SUBMISSION REQUIREMENTS

706.04.01 Submission Requirements

Subsection 706.04.01 of OPSS MUNI.706 is amended to include the following:

The Contractor shall provide the Contract Administrator with a detailed construction sign plan prior to moving onto the site. The plan shall include all necessary advisory and contract identifications signs, and all detour warning signs including type, size and location as well as all signs and barricades required to limit vehicle and pedestrian traffic during construction.

Contract Identification and Public Advisory signs as described shall be placed at both ends of the work areas and should be identified on the Contractors detailed signing plan.

The Contractor shall provide the Contract Administrator with a detailed Detour Plan a minimum of three weeks prior to moving onto the site. At a minimum, the Detour Plan shall provide all the required signage noted below and as required per OTM Book 7 and Book 12. The Contract Administrator shall approve the Detour Plan layout or otherwise direct modification for a revised submission.

Subsection 706.04.01 is modified by the addition of the following subsection:

706.04.01.01 Detour Plan Requirements

Orange Valley Road shall be fully closed for the duration of the construction phase.

The following specifications shall be met / included in the Detour Plan for Traffic Control:

- One TC-64 sign shall be provided at each of the intersection of Highway 518 and Nipissing Rd. and the intersection of Nipissing Rd. and Orange Valley Rd. (2 total), with the following text directed at westbound traffic:

ORANGE VALLEY RD.
CLOSED
AT MANITOUWABING RIVER BRIDGE

FOLLOW D-1

Detour D-1 shall utilize Nipissing Rd, Highway 518, Blackwater Lake Rd, and Broadbent Rd to detour westbound traffic to Orange Valley Rd.

- One TC-64 sign shall be provided at the intersection of Hurdville Rd. and Broadbent Rd., with the following text directed at eastbound traffic:

ORANGE VALLEY RD.
CLOSED
AT MANITOUWABING RIVER BRIDGE
FOLLOW D-2

- One TC-64 sign shall be provided at the intersection of Blackwater Lake Rd. and Highway 518, with the following text directed at eastbound traffic:

ORANGE VALLEY RD.
CLOSED
AT MANITOUWABING RIVER BRIDGE

- One TC-64 sign shall be provided at the intersection of Broadbent Rd. and Fords Rd, with the following text directed at eastbound traffic:

ORANGE VALLEY RD.
CLOSED
AT MANITOUWABING RIVER BRIDGE
LOCAL TRAFFIC ONLY

In addition to the requirements above, the Contractor's Detour Plan shall meet the requirements of OTM Book 7 and Book 12, as applicable.

706.05 MATERIALS

706.05.03 Temporary Traffic Control Signs

Subsection 706.05.03 of OPSS MUNI.706 is amended by the addition of the following:

Public Advisory Signs shall be minimum 2400 mm x 1200 mm size.

Public Advisory Signs shall have an orange background with black lettering.

706.07 CONSTRUCTION

706.07.01 Temporary Traffic Control Signs

Subsection 706.07.01 of OPSS MUNI.706 is amended by the addition of the following:

The Contractor is required to install TC-64 signage (one sign on each approach at each site – 4 total) at least two weeks prior to the start of construction, notifying the public of the upcoming bridge work, road closure, and the anticipated completion date.

Signs shall be in place before work-affecting traffic begins. They shall be well maintained to be effective at all times and remain operational throughout the duration of construction, all in accordance with Ontario Traffic Manual (Book 7).

The Contractor is required to provide two weeks' notice to the Municipality with regard to construction start date.

The Contractor is responsible for the removal, salvage, storage and replacement (in their original locations) of all signs and signposts that interfere with the installation of the proposed facilities. During construction, the Contractor shall either:

- a) store the signs and posts in a safe and secure manner;
- b) temporarily re-install the signs as necessary for the safety of the public, e.g. stop signs.

The Contractor will be responsible for any signs, and sign posts that are damaged or misplaced.

The Contractor shall be responsible for barricading and protecting the work site.

No additional payment shall be made for this work.

The Contractor shall inspect all traffic protection and traffic signage on a daily basis. A log shall be maintained with the daily inspection records and will detail the maintenance and relocation activities required.

The Contractor shall designate a representative and telephone (cellular) number to the Municipality that may be reached 24/7 for the duration of the project in the event of an on-site emergency and this information will be shared on the posted construction board. The telephone number shall be communicated to the Municipality upon contract signing. If the telephone number changes during the project, the Contractor shall pay the fees associated with the change.

The Contractor shall will be responsible for ensuring that garbage collection, including recyclables, is maintained and when necessary, the Contractor shall make arrangements directly with the collecting agency, to permit and coordinate pickup and a central location.

For progress payment, fifty percent (50%) of the lump sum price will be paid upon supply and installation of all signage / protection measures. The remaining fifty percent (50%) shall be paid upon successful completion of the Contract.

8. EARTH EXCAVATION FOR STRUCTURE – ITEM 9

Any over-excavation shall be backfilled and compacted with Granular 'B' Type II. Costs for the placement of this material shall be borne by the Contractor and deemed to be included in the lump sum price for this Item.

Amendment to *OPSS 902.09.01.01*:

Subsection *902.09.01.01* of *OPSS 902*, is replaced by the following:

No measurement for payment shall be made under this Item.

Payment at the lump sum Contract price for the above tender item shall include full compensation for all labour, equipment and materials required to complete the following work:

- a) Excavations as required to accommodate the removal of the existing structure;
- b) Excavations required to construct the new structure and appurtenances, including but not limited to the cribs, footings, retaining walls, and other elements;
- c) Dewatering work required to complete earth excavation in the dry;
- d) All other excavation required to complete the work.

9. SUPPLY & INSTALL CONCRETE FOOTINGS – ITEM 10

1.0 SCOPE

This Item covers the construction requirements for the fabrication, delivery, and placement of the precast concrete footings for the modular bridge.

4.0 CONSTRUCTION

Construction of the precast concrete footings shall be as per the Contract Drawings and relevant OPSS specifications for concrete and reinforcing steel.

Preparation of the granular base and founding material shall be as specified elsewhere in the Contract. However, fine adjustments of the base to suit the new precast footings is considered incidental to this Item. No additional payment will be made for preparation of the base.

5.0 BASIS OF PAYMENT

Payment at the Contract price for this Item shall be full compensation for all labour, Equipment, and Material to do the work. If fabricated off-site, no additional payment will be made for the delivery of the prefabricated concrete footings.

10. BOLT-A-BIN – ITEM 11

This item shall include all labour, equipment, and material to install steel bin abutment in accordance with the approved manufacturer's recommendations and specifications. The contractor shall submit shop drawings from steel bin abutment manufacturer prior to start of work for approval.

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Work shall include, but not be limited to:

- Sourcing steel bin abutment manufacturer;
- Unloading, storage, and installation of steel bin abutments and all necessary components according to manufactures specifications;

Payment at the lump sum Contract price for this tender item shall be full compensation for all labour, equipment, and material necessary to complete the work.

11. WOOD IN STRUCTURE - BALLAST WALL – ITEM 12

Wood in ballast wall shall include the following work, all as shown on the Drawings:

- a) Supply and installation of new treated timber;
- b) All required fasteners, galvanized tie rods, epoxy, Evazote foam, geotextile, etc. required for the installation of all timber ballast walls.

Payment at the lump sum Contract price for the above tender item shall include full compensation for all labour, equipment, and materials required to do the work.

12. WOOD IN STRUCTURE – BRIDGE STRUCTURE – ITEM 13

Wood in structure shall include the following work, all as shown on the Drawings:

- a) Supply and installation of new treated timber laminated decking, curbs, running boards and miscellaneous components;
- b) All required fasteners, etc. required for the installation of all timber members.

Payment at the lump sum Contract price for the above tender item shall include full compensation for all labour, equipment, and materials required to do the work.

13. PERMANENT MODULAR BRIDGE – ITEM 14

1.0 SCOPE

This specification covers the requirements for the design, supply and construction of modular bridge structures from an approved supplier used for permanent installations including bearings, bearing plates, anchor bolts, steel beam guiderail system on modular bridge and transitions adjacent to the bridge.

2.0 REFERENCES

When the Contract Documents indicate that provincial-oriented specifications are to be used and there is a provincial-oriented specification of the same number as those listed below, references within this specification to an OPSS shall be deemed to mean OPSS.MUNI, unless use of a provincial-oriented specification is specified in the Contract Documents. When there is not a corresponding municipal-

oriented specification, the references below shall be considered to be to the OPSS listed, unless use of a provincial-oriented specification is specified in the Contract Documents.

This specification refers to the following standards, specifications, or publications:

Ontario Provincial Standard Specifications, Construction

OPSS 501	Compacting
OPSS 721	Steel Beam Guide Rail and Cable Guide Rail
OPSS 906	Structural Steel for Bridges
OPSS 907	Structural Wood Systems
OPSS 908	Metal Traffic Barriers and Metal Railings for Structures
OPSS 911	Coating Structural Steel Systems

Ontario Provincial Standard Specifications, Material

OPSS 1601	Wood, Preservative Treatment, and Shop Fabrication
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Ontario Ministry of Transportation Publications

Structural Manual

CSA Standards

CSA S6-14	Canadian Highway Bridge Design Code
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3.0 DEFINITIONS

For the purpose of this specification, the following definitions apply:

Modular Bridge means a new, unused, superstructure comprised of commercially available standard proprietary prefabricated components that can be assembled and disassembled on site.

4.0 DESIGN AND SUBMISSION REQUIREMENTS

4.1 Design Requirements

The modular bridge structure shall be designed according to the Contract Documents, CAN/CSA S6 and the Structural Manual except that:

- a) The following requirements of the CAN/CSA S6 are not mandatory:
 - i. Traffic lane widths and side clearance.
 - ii. Deck crossfall and drain outlets.
 - iii. Nuts with safety pins or snap rings may be used instead of hexagonal recessed nuts or hexagonal solid nuts with washers.

- b) The following are additional requirements:
 - i. Camber is required, to account for all dead loads.

- ii. Traffic lanes and side clearances shall be as detailed in Contract Drawings.
- iii. The bridge must provide a span and soffit elevation as detailed on the Contract Drawings.
- iv. The Contractor shall verify all site elevations and dimensions prior to proceed with the commencement of design. The bridge must provide a minimum width of 4.53m between barriers on each side of the structure as detailed.
- v. The length of the bridge shall be 21.34m (70') end to end, measured along the centreline of the bridge.
- vi. The depth between the top of the bridge deck and the underside of the bottom flange shall be 640 mm (maximum).
- vii. The deck surface shall be flat.
- viii. A timber ballast wall / backwall shall be installed at the ends of the girders on each end of the bridge. The backwall shall be of sufficient height to span from the top of the proposed abutments to the deck surface and protect the abutment bearing seat / bearings from backfill contamination. The backwalls shall be of sufficient width to retain the backfill behind the ends of the structure and extend beyond to support the embankments (assume 1.5:1 slope).
- ix. The deck shall include timber curbs or approved equal.
- x. The structure shall be supplied with all required bearing plates, elastomeric bearings, and anchor bolts as per the manufacturer design, for installation onto concrete abutments.
- xi. Fatigue design shall be based on a Highway Class D.
- xii. Traffic lanes and side clearances shall be as detailed in Contract drawings.

4.2 Submission Requirements

4.2.1 Working Drawings, Procedures & Certifications

The following documents, bearing the seal and signature of a design Engineer and a design-checking Engineer, shall be submitted to the Contract Administrator at least 7 Days prior to commencement of the installation of the modular bridge, for information purposes only:

- a) Design and Working Drawings of the modular bridge.
- b) Launching, installation procedures.
- c) A letter and design calculations certifying that the modular bridge has been designed according to the Contract Documents.

- d) Where modular bridge components are fabricated outside of Canada, a letter shall be submitted certifying that the materials used, and the fabrication of the modular bridge components are according to the Contract Documents.
- e) Where the load carrying capacity of the modular bridge or any of its components has been established by testing, the load test reports provided by the manufacturer of the modular bridge shall be submitted confirming the bridge satisfies the requirements of the Evaluation Section of CAN/CSA S6, using a Reliability Index (β) not less than 3.75.

When other authorities are involved in the approval of the design or construction of the modular bridge, submissions shall be made at least 5 weeks prior to commencement of work and one additional copy of the submission shall be provided for each authority.

The requirements of each authority shall be satisfied prior to commencement of the work.

4.2.2 Notice of Installation

A written notice shall be submitted to the Contract Administrator at least 7 Days prior to the installation of the modular bridge superstructure.

5.0 MATERIALS

5.1 General

All materials and components shall be according to the Working Drawings.

5.2 Modular Bridge Components

The modular bridge shall be commercially available standardized proprietary product from the approved list of suppliers. All modular bridge components shall be fabricated in accordance with OPSS 906 and shall be hot dipped galvanized in accordance with OPSS 911.

The following is the list of approved suppliers:

Acrow Limited (Acrow Bridge supplier)
18 King Street East,
Bolton, Ontario
L7E 1E8
Tel: 905-857-2669 Fax: 905-857-1334

Algonquin Bridge Inc. (Mabey Bridge supplier)
121 Gerald Parkway
Thorndale, Ontario
N0M 2P0
Tel: 226-213-4707 Fax: 226-213-4708

All material shall be new, hot-dip galvanized as per OPSS 911, and shall comply with the details specified and shown on the contract drawings.

5.3 Hardware

The hardware used in the assembly and installation of the modular bridge shall be according to the modular bridge manufacturer's requirements.

5.4 Structural Steel

Any structural steel components that are not part of the modular bridge shall be designed and constructed according to OPSS 906.

5.5 Wood

Wood shall be according to OPSS 1601. Preservative treatment of wood is not required. Fasteners and hardware for wood construction shall be according to OPSS 907.

5.6 Railings

Railings shall be according to OPSS 908 or an equivalent modular bridge manufacturer railing system.

5.7 Guide Rails

Guide Rails shall be according to OPSS 721.

6.0 EQUIPMENT – Not Used

7.0 CONSTRUCTION

7.1 General

Documentation indicating that the modular bridge Superintendent who shall be in charge of the installation of the modular bridge has successfully performed similar duties on at least 3 similar bridges shall be submitted to the Contract Administrator at least 7 Days prior to installation of the modular bridge.

7.2 Installation of Modular Bridge

The modular bridge shall be assembled and installed according to the Working Drawings, procedures and Contract Documents.

The modular bridge manufacturer's Engineer representative shall be on site during installation of the bridge.

The Contractor is advised that there are existing utilities located adjacent to the roadway. The existing

aerial hydro and cable utilities that span the bridge will be relocated by others to cross the river on the south side of the bridge prior to construction.

7.3 Certificate of Conformance

Upon the completion of construction of the modular bridge, a Certificate of Conformance bearing the seal and signature of an Engineer with a minimum of five (5) years of experience in this specific type of work shall be submitted to the Contract Administrator. The certificate shall state that the modular bridge has been constructed in general conformance with the Design, Working Drawings, procedures and Contract Documents.

7.4 Management of Excess Material

Management of excess material shall be according to the Contract Documents.

8.0 QUALITY ASSURANCE – Not Used

9.0 MEASUREMENT FOR PAYMENT – Not Used

10.0 BASIS OF PAYMENT

10.01 Permanent Modular Bridge

Payment at the Contract price for the above item shall be full compensation for all labour, Equipment, and Material to do the work, including but not limited to the following:

- Completion of design of the superstructure and submittal of all applicable shop drawings with applicable revisions to the satisfaction of the Contract Administrator;
- Fabrication of all superstructure bridge components including all truss members, bearing components, and steel decking;
- Upon completion of fabrication of the bridge superstructure, a Certificate of Conformance sealed by a licensed Professional Engineer shall be provided indicating that the bridge; has been fabricated in conformance with the approved shop drawings.
- Completion of delivery of all of the superstructure and sundry components in accordance with the delivery specifications and requirements specified by the bridge supplier.
- Erection / installation of all superstructure bridge components including all truss members, bearing components, and steel decking;
- Upon completion of erection of the bridge superstructure, a Certificate of Conformance sealed by a licensed Professional Engineer shall be provided indicating that the bridge; has been erected in conformance Contract requirements and the approved shop drawings

14. ROCK EXCAVATION FOR STRUCTURE – ITEM P1

Amendment to *OPSS.MUNI 902*:

902.01 SCOPE

This specification covers the provisional requirements for additional rock excavation at the east abutment for the crib and precast footing. Excavation under this item shall be at the direction of the Contract Administrator.

902.09 MEASUREMENT FOR PAYMENT

902.09.01 Actual Measurement

902.09.01.01 Excavation for Structure

Section 902.09.01.01 of OPSS.MUNI 902 is deleted in its entirety and replaced with the following:

Measurement of payment for rock excavation shall be by volume in cubic metres. Payment for work completed under this item shall be as per the unit price provided in the tender bid form. No changes in the Contractor's unit price will be accepted for a reduction / increase in rock excavation quantity.

Schedule "B" - Tender Submission Form

RFT 2023-02 Replacement of the Orange Valley Road Bridge
Closing date Tuesday, June 27, 2023 at 3:00 P.M. local time

This Offer Shall Be Irrevocable For A Period Of Sixty (60) Calendar Days Following The Date Of Tender Opening.

The Contractor hereby certifies that they have carefully examined the provisions, plans, specifications and conditions attached to the tender and has carefully examined the site and location of the work to be done under this contract, and the Contractor understands and accepts the said provisions, plans, specifications and conditions and, for the prices set forth in this tender, hereby offers to furnish all machinery, tools, apparatus and other means of construction, furnish all materials, except as otherwise specified in the contract, and to complete the work in strict accordance with the provisions, plans, specifications and conditions attached to or referenced to in this tender.

Name of Contractor/Firm _____

Mailing Address _____

Signature of person authorized to
Sign for the Contractor/Firm _____

Date of Signature _____, 2023

Witness or Contractor/Firm Seal _____

CONTACTOR INFORMATION

Contact Name/Project Manager _____

Telephone Number _____

Fax Number _____

E-mail Address for the Contractor/Firm _____

Schedule “B” - Tender Submission Form (Page 2 of 6)

RFT 2023-02 Replacement of the Orange Valley Road Bridge

Please provide quotes below based on information provided in Schedule ‘A’. Attach any additional information that will assist with the award of contract.

The Replacement of the Orange Valley Road Bridge Tender includes the following for the supply and application of all required materials for the replacement of the bridge and reinstatement of the roadway, as specified on the attached Schedule “A”.

Schedule Of Unit Prices

Replacement of the Orange Valley Road Bridge

In accordance with the first paragraph of the Tender, the Tenderer hereby offers to complete the work specified in the Contract for the following unit prices:

ITEM	SPEC	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	AMOUNT
1	SP	Mobilization and Demobilization	Lump Sum			\$
2	MUNI.182, SP	Environmental Protection	Lump Sum			\$
3	MUNI.314, SP	Granular ‘A’	t	350	\$	\$
4	MUNI.510, SP	Removal of Bridge Structure	Lump Sum			\$
5	MUNI.511, SP	Rip - Rap	m ²	100	\$	\$
6	MUNI.511, SP	Shotrock (Gabion Stone)	t	20	\$	
7	MUNI.706, SP	Traffic Control Detour Signing	Lump Sum			\$
8	MUNI.732	Steel Beam Energy Attenuating Terminal System	Each	4	\$	\$
9	MUNI.902, SP	Earth Excavation for Structure	Lump Sum			\$

ITEM	SPEC	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	AMOUNT
10	SP	Supply & Install Concrete Footings	Lump Sum			\$
11	SP	Bolt a Bin	Lump Sum			\$
12	MUNI.907, SP	Wood in Structure – Ballast Wall	Lump Sum			\$
13	MUNI.907, SP	Wood in Structure – Bridge Structure	Lump Sum			\$
14	SP	Permanent Modular Bridge	Lump Sum			\$
P1	MUNI.902, SP	Rock Excavation for Structure	m ³	3		\$

SCHEDULE 'B' TOTAL = _____

Schedule "B" - Tender Submission Form (page 4 of 6)

RFT 2023-02 Replacement of the Orange Valley Road Bridge

Estimated work start date: _____

All work shall be completed by the fixed completion date of August 25th, 2023.

The Municipality reserves the right to increase or decrease the quantities for each item in this tender. Any additional quantities are to be priced at the same unit rates as submitted by contractor/firm.

Tender Price \$ _____

HST \$ _____

Total Tender Price \$ _____
(Including all applicable taxes)

SCHEDULE "B" - Tender Submission Form (page 5 of 6)

RFT 2023-02 Replacement of the Orange Valley Road Bridge

References

1st Company

Company Name

Person to Contact

Company Phone Number

Company Facsimile

Please provide a brief description of type of work performed and dates below:

2nd Company

Company Name

Person to Contact

Company Phone Number

Company Facsimile

Please provide a brief description of type of work performed and dates below:

Schedule “B” - Tender Submission Form (page 6 of 6)

RFT 2023-02 Replacement of the Orange Valley Road Bridge

Items to Include With Tender Bid Submission

- All information as requested in ‘**Submission of Offer**’ (Part 6) and Schedule ‘A’
- Schedule ‘B’, completed in its entirety.
- Tender Deposit as set out in ‘**Submission of Offer**’ (Part 6)
- Any additional information that may assist with the award of contract.