



**KENTS MILL ROAD BRIDGE
DECK SURFACE REPLACEMENT TENDER**

Tender Number: 2025 - 001

Sealed Tenders will be received by: Township of Joly
871 Forest Lake Road
PO Box 519
Sundridge, ON P0A 1Z0

Tender Closing Date and Time: Thursday July 3, 2025 at 3:00pm

Tender Opening Date and Time: Thursday July 3, 2025 at 3:01pm

Tender Award: Tuesday July 8, 2025 at 5:30pm

Tender For: The removal and replacement of the deck material on the Kents Mill Road bridge, repair transverse deck planks, Install new guiderails. All work done as per Engineer drawings attached. located in Concession 2, Lot 1 Joly Township.

Lowest or any quotation not necessarily accepted.

BIDDER'S NAME: _____

Kents Mill Road Deck Replacement Tender 2025 - 001

The Township of Joly is tendering for the removal and replacement of the deck surface material, repair transverse deck planks. New deck material will be 8/4 rough Tamarack 4" to 12" width, other materials required to complete this project will be pressure treated lumber, and OPSD approved new guiderails provided by the successful proponent. Materials and construction must be in compliance with Engineers drawings attached to this tender.

Work to be completed by or before: September 30 2025

TENDER PROCEDURES

- 1 All inquiries concerning the tender, prior to the tender closing, shall be directed to Pat Stickland Roads Foreman 705 495 9486
- 2 Notification of Acceptance of Tender will be by telephone or email and written for of notice, to the address of the Contractor used on the bid forms. The date of Acceptance shall be deemed to be the date of receipt of the Acceptance Notice by the Contractor.
- 3 The Township has the right to not accept any bids and withdraw the Tender prior to the contract being awarded.
- 4 The Contractor can withdrawal their tender submission at any time prior to the opening date and time. This request must be received in writing to the Road Foreman roads@townshipofjoly.com

TENDER REQUIREMENTS

- 1 A bid bond, certified cheque or bank draft, made payable to the Township of Joly in the amount of 10% of the total tender must be submitted with the tender, for deposit purposes. The tender deposit cheques of the unsuccessful proponents, except for the successful proponent and one (1) alternate bidder will be returned within ten (10) calendar days of the tender award. The tender deposit of the alternate proponent will be returned when the successful proponent has provided the required documents of the successful proponent as per this tender agreement. The tender deposit of the successful proponent may be held for forty-five (45) days after the municipality's acceptance of the completed work.

I have ready and agree with the contents

Signature of Bidder

Page 2 of 17

- 2 The successful proponent shall deliver a certified copy of the Firm's Public Liability and Property Damage Insurance Policy for the work, within ten (10) calendar days of receiving the Acceptance Notice, or prior to commencement of work. Coverage shall be at least \$ 5,000,000 per incident in the name of the municipality. Failure to provide such proof shall result in cancellation of the Contract and forfeiture of the bid deposit.
- 3 The successful proponent shall also deliver proof of Workplace Safety Insurance Board coverage, within ten (10) calendar days of receiving the Acceptance Notice, or prior to commencement of work.
- 4 In order to avoid any misunderstandings as to the nature of the work to be performed herein, the Contractor, by executing this contract, unequivocally acknowledges that he/she is the constructor within the meaning of the Occupational Health and Safety Act and the Contractor undertakes to carry out the duties and responsibilities of a constructor with respect to the work.

It is specifically drawn to the attention of the proponent that the Occupational Health and Safety Act provides, in addition to other matters that:

A constructor shall ensure, on a project undertaken by the constructor that,

- i) The measures and procedures prescribed in this Act and the regulations are carried out on the project,
- ii) Every employer and every worker performing work on the project complies with this Act and the regulations, and
- iii) The health and safety of the workers on the project is protected.

When an unsafe act is being committed during the completion of this tender, the Roads Foreman or authorized designate, will notify the on-site foreman. If the act is not remedied, the Ministry of Labour will be informed.

- 5 The Ontario Provincial General Conditions and Standards Specifications shall govern the work covered under this contract, and inclusive of the Special Provisions noted hereafter. All Contractors proposing to bid on this project must obtain their own copies of the current Ontario Provincial Standard Specifications in effect for this Contract.

I have read and agree with the contents

Signature of Bidder

BASIS OF REJECTION OF TENDER

- 1 Tender must be legible, in ink, by typewriter, or by printer.
- 2 Tender must be in possession of the municipality by the closing date and time.
- 3 Tender must be on the form provided.
- 4 Tender must be signed and sealed by an authorized official of the bidding organization. A joint tender must be signed and sealed by each company.
- 5 All items must be bid.
- 6 Tender must not be restricted or modified in any way.

Attached to this tender is a bid bond, Certified Cheque or Bank Draft, in the amount of ten percent (10%) of the total tender, made payable to the Township of Joly. The proceeds of this cheque shall, upon acceptance of the tender, constitute a deposit which shall be forfeited to the Township of Joly if the Contractor fails to perform the work in accordance with the conditions and specification referred to or contained in this tender.

It is agreed that, upon acceptance in writing by the Township of Joly, this tender form becomes the "agreement for the performance of work" between the Contractor and the Township of Joly.

If this contract is revoked any time after acceptance, the Contractor/Firm will forfeit the required 10% deposit.

I/We (the Contractor) promise to complete the work by or before
September 30, 2025.

I have read and agree with the contents

Signature of Bidder

FORCE MAJEURE CLAUSE

The Contractor shall not be held liable or penalized under the terms of this Contract for failure to perform the Contract which is occasioned by war, an act of terrorism, strike, pandemic, epidemic, public health emergency, act of God, natural disaster, Order by a lawful governmental authority or any other casualty beyond the reasonable control of the Contractor (force majeure). If the force majeure event causes the delay and performance of the Contract or a non-performance of the Contract, then the Contractor shall give notice in writing of its intent to rely upon this provision. The Contractor, upon giving written notice, shall secure the worksite utilizing best construction practices, in consultation with the Township of Joly. Thereafter, the Contractor shall submit to the Township of Joly, in writing, costs incurred or anticipated to be incurred by the Contractor on a weekly basis as a consequence of the delay occasioned by the force majeure event and the owner shall pay the costs of the Contractor for the that the Contractor cannot perform the Contract as a consequence of the force majeure event. The Contractor shall, at the request of the Township, provide documentary proof of the expenses incurred. The Township shall further extend the time for the performance of the Contract for a period that is equivalent to the time period of the force majeure event or longer as may be agreed upon between the Contractor during this time of non-performance on a weekly basis as may be agreed upon between the Contractor and the Township. If a force majeure event results in a delay or non- performance of the Contract for a period of six (6) months or longer, then either party shall have the right to give notice to terminate this Contract with immediate effect without liability toward the other party provided that the Township shall pay the Contractor all amounts due under the Contract, to the date of such termination.

I have read and agree with the contents

Signature of Bidder

MEASUREMENT FOR PAYMENT GENERAL

CONDITION

This Contract calls for the removal of the existing deck surface lumber, repair transverse deck planks, on the Kents Mill Road bridge. New deck material will be 8/4 rough Tamarack other materials required to complete this project will be pressure treated lumber, and guiderails. All materials will be provided by the successful proponent.

All work to be substantially completed by September 30, 2025.

BASIS OF PAYMENT

Payment in the Contract price shall be compensation in full for performing the work specified in the tender item and for the supply of labour, equipment and materials, except as otherwise provided in the tender, necessary to complete the work to the satisfaction of the Township of Joly.

PAYMENT, HOLDBACK AND COMPLETION

Payment will be made in full, after the completion of the contract to the satisfaction of the Township of Joly.

PERFORMANCE EVALUATION

Failure to execute the contract in a competent manner shall result in the proponent's disqualification from bidding on the Township of Joly's contracts for a period of two (2) years.

COMPETION DATE

The Contractor shall complete work by or before September 30, 2025.

If the time limit is not sufficient to permit the completion by the Contractor working on a normal number of hours, the Contractor shall make changes to permit work to be completed by the above date. Additional costs incurred shall be deemed included in the price bid for the work. For the purposes of this tender, "Normal Hours" are defined as 7:00 am to 5:00 pm, Monday to Friday.

If the work is not completed by the above date, or by an amended date allowed by an approved extension of time, then the Contractor agrees to pay the Township of Joly a sum of \$500.00 per calendar day, for each day's delay in finishing the work, as liquidated damages. Delays due to weather will be taken into consideration by the Township of Joly.

I have read and agree with the contents

Signature of Bidder

TENDER BID FORM

Item# 1	Removal & Disposal of Existing Bridge deck, Repair transverse deck planks	\$ _____
Item# 2	Supply & Install new Guiderail System as needed.	\$ _____
Item# 3	Site Preparation including Environmental Protection/Mitigation	\$ _____
Item #4	Supply & place deck surface lumber on bridge	\$ _____
	SUB-TOTAL	\$ _____
	HST	\$ _____
	Organizations HST Number	
	TOTAL TENDER PRICE	\$ _____

INCLUDES ALL COSTS WHICH MAY BE INCURRED UNTIL
COMPLETION OF TENDER

I/We (the Contractor) promise to complete the work by or before September 30, 2025.

Name of Individual or Firm (hereafter referred to as the "Contractor")	_____
Address	_____
Email Address	_____
Signature of Person Signing for Firm	_____
Date	_____
Office of Person Signing for Firm	_____
Witness or Firm Seal	_____
Phone Number	_____
Fax Number	_____

Lowest or any quotation not necessarily accepted.

GENERAL CONDITIONS

The work is to be carried out at the Kents Mill Road bridge located on Kents Mill Road, Concession II, Lot 1, Township of Joly. This Contract calls for the removal and replacement of the bridge deck surface lumber, repair damaged transverse deck planks, install new guiderails where needed as per OPSD 922.430 specifications on the Kents Mill Road bridge. Work will be inspected by an Engineering Firm. Work to be completed by September 30, 2025.

The successful bidder will be required to give written notice ten (10) calendar days to the Roads Department at **roads@townshipofjoly.com** before they plan to commence work. Any road closure requests must be submitted to the Roads Department by written notice six (6) weeks before the planned closure. The Contractor shall work continuously until the work is completed within the time period specified in this tender document.

SAFETY REQUIREMENTS

The Contractor shall conform to and enforce strict compliance with the Construction Safety Act, and Regulations made under that Act.

The successful bidder will be designated as the Constructor for this project and will assume all of the responsibilities of the Constructor set out in the Occupational Health & Safety Act and its Regulations.

SCHEDULE OF PLANS AND STANDARDS

The Ontario Provincial General Conditions and Standard Specifications shall govern the work covered under this contract, and inclusive of the Special Provisions noted hereafter. All Contractors proposing to bid on this Contract must obtain their own copies of the current Ontario Provincial Standard Specifications in effect for this Contract.

INSPECTION

Upon completion by the Contractor of any of the tender items, and prior to the Contractor commencing with a subsequent stage of work, the Roads Department or an Engineering Firm may perform an inspection to ascertain that the completed work is to the dimensions specified in the OPSS drawings, or to such details and recommendations as may be approved by the Roads Department. The Contractor shall notify the Roads Department each time he has completed an item of work that needs inspection before it is covered by subsequent items of works, and the Roads Department or an Engineering Firm shall conduct the inspection upon receipt of such notice without undue delay.

I have read and agree with the contents

Signature of Bidder

It is the Contractor's responsibility to ensure that items of work to be inspected are completed to the correct dimensions and specifications. Any costs for repeated inspections caused by the Contractor's failure to have the items of work correctly finished when notice is given by the Roads Department shall be charged to the Contractor.

MUNICIPAL FREEDOM OF INFORMATION & PROTECTION OF PRIVACY

Materials supplied in response to this Tender become a record of the Township of Joly and are subject to the Municipal Freedom of Information and Protection of Privacy Act. The Township of Joly takes the position that such materials form a part of the records that may be made available upon request to the general public.

THE CONSTRUCTION LIEN ACT

Payments to the Contractor, holdbacks and their release, and certificates of substantial performance and completion shall be in full compliance with the provisions of The Construction Lien Act R.S.O. 1983, or latest amendment thereto.

MAINTAIN EXISTING FLOWS

It shall be the Contractor's responsibility to maintain existing flows in the North Magnetawan River throughout the duration of the Contract.

The Contractor shall do such work or use such equipment as necessary to maintain the existing flows and shall protect the Township of Joly against any and all claims involving public liability and/or damage to property which may arise due to the Contractor's failure to be included in the unit price quoted for the specified item.

ENVIRONMENTAL

It is intended that the works be executed in a manner, which minimizes any adverse effects on the cultural and natural environment of the project area. The environmental conditions of the contract stated herein must be completed with in all respects. It is the Contractor's responsibility that all personnel be sufficiently instructed so that the work is carried out in a manner consistent with minimizing environmental concerns.

The Contractor shall confine his operations within the limits of the project. If an additional area is required by the Contractor for storage or for other construction purposes, the Contractor may obtain such additional area by agreement with a property owner, without additional cost to the Owner. The Contractor shall provide a certified copy of all agreements for the use of private property, and he shall pay for rentals and cost of repairs, where necessary, in connection with the use of private property.

I have read and agree with the contents

All disturbed areas shall be stabilized upon completion of the work. No in-water work shall be permitted at any time and no equipment or machinery shall enter the watercourse. Vehicular maintenance and refueling shall be conducted away from the watercourse and its banks (minimum 30 meters). All activities, including maintenance procedures must be controlled to prevent the entry of petroleum products, debris, rubble, concrete, or other deleterious substances from entering into the watercourse.

The Contractor shall ensure that all local by-laws and applicable regulatory requirements with respect to protection of the environment including health and safety, noise/dust management, and protection of adjacent private properties, are strictly adhered to at all times. Any costs associated with compliance of these requirements shall be incorporated in the tendered price.

DOCUMENTS AND SITE REVIEW

The submission of a bid shall indicate that the bidder agrees and warrants that it has examined the site and all conditions relevant thereto, and all the separate documents, drawings, specifications, and addenda, and that the bid submitted covers the costs of all the items required in the Contract. No claims for extras shall be permitted due to the Contractor's failure to inspect the site and the working conditions prior to the submission of a bid.

MANDATORY KEY TIME LINES (DATES)

A proposed construction schedule for this contract shall be submitted by the Contractor for the Townships approval prior to the commencement of construction. The proposed contract start date is July 28, 2025. The Contract must be 100% complete before September 30, 2025.

SPECIFICATIONS

The Ontario Provincial Standard Specifications listed below and Contract Drawings appended to these documents apply to this contract. The particular revision in effect at the time the Contract as advertised shall apply.

- | | |
|----------|---|
| OPSS 127 | Schedule of Rental Rates for Construction Equipment Including Model and Specification Reference |
| OPSS 128 | The Supply of Pre-Qualified Materials and Products |
| OPSS 180 | Management and Disposal of Excess Material |
| OPSS 182 | Environmental Protection for Construction in Waterbodies and on Waterbody Banks |

I have read and agree with the contents

- OPSS 504 Construction Specification for Preservation, Protection and Reconstruction of Existing Facilities
- OPSS 510 Construction Specification for Removal
- OPSS 543 Construction Specification for Traffic Control Signing
- OPSS 577 Temporary Erosion and Sediment Control Measures
- OPSS 907 Construction Specifications for Structural Wood System

PROTECTION OF PUBLIC AND TRAFFIC CONTROL

All traffic control procedures and devices shall conform to the Ministry of Transportation Ontario Traffic Manual Book 7, latest revisions.

The Township of Joly need one lane of the bridge open at all times due to the fact that people live on the east side of the bridge on a year-round basis and have no other way of getting help in the case of an emergency.

Barricades, warning signs, lanterns, lights, delineators, sand bags and all necessary signs within the limits of the contract, and all off-site signage, must be maintained throughout the course of the work to the satisfaction of the Roads Department all at the expense of the Contractor.

CONTRACTOR TO INVESTIGATE

It shall be the Contractor's responsibility to thoroughly inspect the site of the proposed work, determine the location(s) of any buried or obstructing service(s), and make satisfactory arrangements to remove any interference with such service(s) with the proper jurisdictional authority.

I have ready and agree with the contents

Signature of Bidder

SUPPLY OF MATERIALS

All materials necessary for the proper completion of the work, unless otherwise stated herein, shall be supplied by the Contractor, and the payment provided in the contract shall be deemed to include full compensation for the supply of all such materials.

SPILLS REPORTING

Spills or discharge of pollutants or contaminants under the control of the Contractor and spills or discharges of pollutants or contaminants that are a result of the Contractor's operations that cause or are likely to cause adverse effects, shall be reported to the Township of Joly and the Ministry of Environment. Such spills or discharges and their adverse effects shall be as defined in the Environmental Protection Act.

CO-ORDINATION MEETINGS

The Contractor shall attend such meetings as may be required by the Roads Department to co-ordinate services affected by the Contract.

DISCREPANCIES AND CONFLICTS

Discrepancies and conflicts shall be brought to the attention of the Township of Joly. No additional payment will be made for correction of errors made in this regard.

EXTRA WORK

The Contractor shall notify the Township of Joly in writing before the commencement of any work that he considers extra work. An itemized estimate complete with costs must be approved in writing prior to any work being started. If notice is not given, it will be deemed that payment is included in the contract price and no additional payment for extra work will be made.

Invoices for extra work, as authorized, shall be submitted with the invoice for the contract price and paid at the same time.

I have read and agree with the contents

DAMAGE TO EXISTING UTILITIES

The Contractor's attention is drawn to the presence of utilities on this project. The location of utilities, as shown on the Contract Drawings, are not guaranteed by the Township of Joly. It is the Contractor's responsibility to contact the Utility Companies for further information in regard to utilities, and to exercise the necessary care in construction operations, or take precautions to safeguard the utility from damage. The costs of all damages to utilities, both overhead and underground, caused by the Contractor's operations shall be borne by the Contractor.

The Contractor shall insure that utility service is not disturbed during the course of construction, by reason of the construction.

UTILITIES, FENCES AND PRIVATE PROPERTY

The Contractor shall be responsible for the protection of all utilities and fences not designated for removal, and for the protection of private property at the job site during construction. Storage of excavated materials shall be such that deposition onto private property shall not take place.

It is the Contractor's responsibility to contact the Utility Companies for further information in regard to the exact location of all utilities.

PROTECTION OF WATER QUALITY

At all times, the Contractor shall maintain existing stream flows and shall control all construction work so as not to allow sediment or other deleterious materials to enter the watercourse. Entry of manpower, equipment or materials into the watercourse is strictly prohibited.

No machinery shall enter the creek bed of the watercourse. Movement of construction equipment in the vicinity of the watercourse shall be limited to the minimum required for construction.

The Contractor shall not carry out equipment maintenance or refueling, or store fuel containers within thirty (30) meters of the watercourse. The Contractor shall not stockpile construction debris or empty fuel/pesticide containers within the Contract limits.

I have read and agree with the contents

Signature of Bidder

NAVIGABLE WATERS PROTECTION ACT

At all times the Contractor shall conform to the regulations in the Navigable Waters Protection Act.

No debris of any kind shall be dumped into the North Magnetawan River at any time.

The Contractor shall be prepared to locate and immediately remove any debris that may fall into the watercourse.

DISPOSAL OF MATERIALS

All materials resulting from any operation necessary in carrying out the work of the various tender items included in this Contract and which is unsuitable for reuse shall be disposed of in an environmentally acceptable manner at locations arranged for by the Contractor, which are acceptable to the Township of Joly.

The price(s) bid for the contract item(s) requiring such work shall be full compensation for hauling, placing and trimming the excavated material at the disposal area.

"Environmentally acceptable" means a manner which complies with the requirements of the Environmental Protection Act, as amended. Disposal of the existing bridge deck shall be completed in accordance with Item # 1 in the Tender Bid Form.

I have read and agree with the contents

Signature of Bidder

ITEM# 1 REMOVAL AND DISPOSAL OF EXISTING BRIDGE DECK

Under this item and for the Contract price, the Contractor shall carry out the work, as directed by the Roads Department.

- a) Removal and disposal of existing decking.
- b) Site preparation as required, to facilitate the handling of the removed material.

The Contractor shall carefully remove all decking and take all necessary precautions to prevent any debris from falling into the North Magnetawan River. In the event that materials fall into the river, it should be brought to the attention of the Roads Department in writing and the materials shall be located and removed immediately. The riverbed shall be cleaned of all debris prior to completion of the contract. The Contractor shall observe all safety laws and regulations in carrying out the work of this item.

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 Township of Joly.

Work under this item shall not commence without prior approval from the Roads Department. The Contractor shall bear all costs (materials, equipment, labour, engineering etc.) associated with this item which shall be included in the Contract price for this item.

ITEM# 2 TRAFFIC CONTROL INCLUDING ROAD CLOSURE SIGNAGE

Payment at the Contract price for the above item shall be full compensation for all labour, equipment and materials required for the Contractor to supply, install, maintain and remove all signage as outlined in the Contract Drawings and as per the Ontario Traffic Manual. Under this item, the Contractor shall provide, install and maintain all signage, barriers, barricades and any other safety devices required to complete the work in accordance with the Contract Tender documents and drawings.

I have read and agree with the contents

ITEM# 3 ENVIRONMENTAL PROTECTION/MITIGATION

Payment at the Contract price for the above item shall be full compensation for all labour, equipment and materials required for the Contractor to, manage all aspects of his operations so as to prevent the entry of deleterious materials to watercourses. Controls shall include, be not be restricted to, the following:

- a) Erosion and sedimentation control, and protection of environmentally sensitive areas, in compliance with requirements that may be specified in the Contract.
- b) Where the Contract requires work near watercourse banks, operation of equipment within such areas shall:
 - i) Be kept to the minimum necessary to perform the specified work;
 - ii) Comply with operations constraints that may be specified elsewhere in the Contract;
 - iii) Otherwise proceed in a continuous fashion so as to minimize the duration of such work.
- c) Construction material, excess material, construction debris, and empty containers shall be stored at least thirty (30) meters away from the watercourse and its banks.
- d) All equipment maintenance and refueling shall be controlled so as to prevent discharge of petroleum products. Vehicular maintenance and refueling shall be conducted at least fifty (50) meters away from the watercourse and its banks.
- e) The supply maintenance and removal of all silt fences. In the event the Roads Department determines that controls are unacceptable, the Contractor shall cease those operations, which are causing the entry of deleterious material to the watercourse. Such operations shall remain suspended until otherwise directed by the Roads Department.

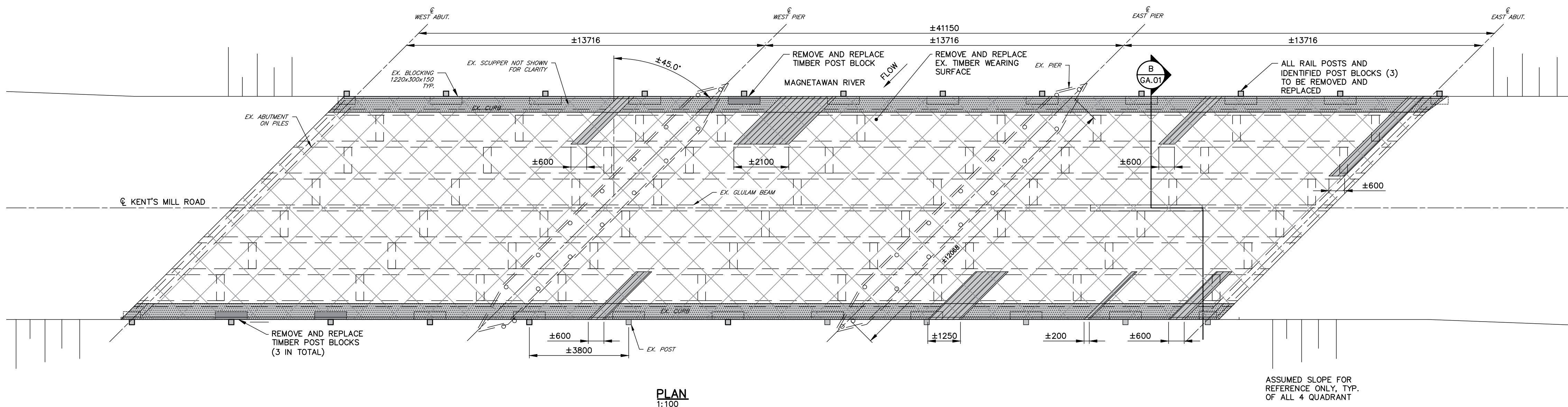
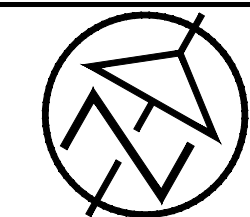
ITEM#4 DECKING, TRANSVERSE DECK PLANKS

Under this item and for the Contract price, the Contractor shall provide all labour, materials and equipment required to install the deck, repair the transverse deck planks, install new guiderails including all galvanized hardware and all other materials and work not specifically mentioned in the other Items so as to guarantee a complete structure in accordance with the intent of the plans and specifications and in accordance with the manufacturer's specification.

All construction will be carried out according to the guidelines of the current Canadian Highway Bridge Design Code.

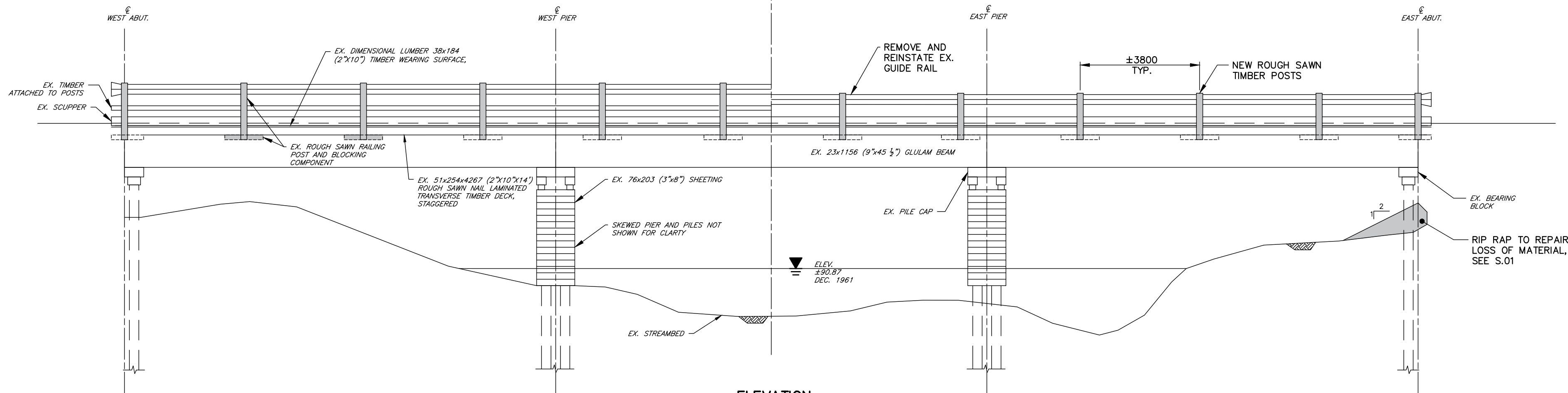
I have read and agree with the contents

Signature of Bidder

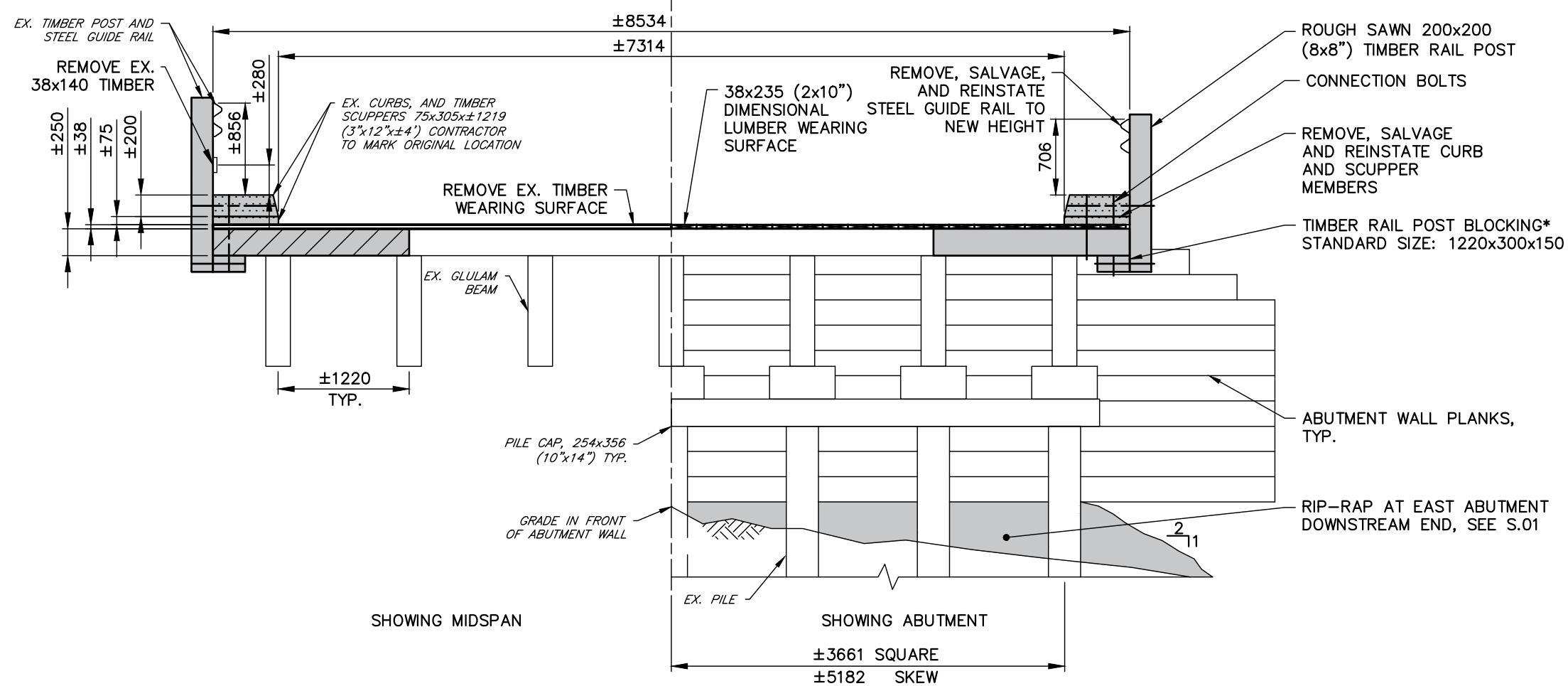


PLAN
1:100

ASSUMED SLOPE FOR
REFERENCE ONLY, TYP.
OF ALL 4 QUADRANT



ELEVATION
1:100



CROSS SECTION
1:50

* END POST BLOCKING IS NON-STANDARD IN SIZE. CUT STANDARD
BLOCKING TO SUIT IF REPLACEMENT IS IDENTIFIED.

GENERAL NOTES:

- REPAIRS DESIGNED TO CSA S6-19 FOR CL-625-ONT LIVE LOAD.
- 1961 ORIGINAL AS-BUILT DRAWING IS AVAILABLE.
- DRAWINGS PREPARED USING "MAGNETAWAN RIVER BRIDGE" DRAWINGS BY DEPARTMENT OF HIGHWAYS ONTARIO DATED DECEMBER 1961 (MTO SITE 44-103) AS PROVIDED BY MTO.
- SPECIFICATIONS: OPSS VOLUME 7-8 AND SPECIAL PROVISIONS.
- REFER TO OPSD 100 SERIES FOR ABBREVIATIONS.
- DO NOT SCALE DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS AND ELEVATIONS THAT ARE RELEVANT TO THE WORK SHOWN ON THE DRAWINGS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE CONTRACT ADMINISTRATOR AND THE PROPOSED ADJUSTMENT OF THE WORK SHALL BE SUBMITTED FOR APPROVAL.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT OF THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION. LOCATION OF EXISTING UTILITIES TO BE VERIFIED IN THE FIELD.
- THE CONTRACTOR SHALL SUBMIT AN ENVIRONMENTAL PROTECTION PLAN AND INSTALL ALL MEASURES AS REQUIRED.
- THE NEW BRIDGE BARRIER DOES NOT FULLY MEET THE BRIDGE CODE TEST LEVEL REQUIREMENTS AS ACCEPTED BY THE OWNER.
- CONTRACTOR TO IMPLEMENT ALL NECESSARY ENVIRONMENTAL PROTECTION MEASURES DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO EROSION AND SEDIMENT CONTROL, SPILL PREVENTION, AND PROTECTION OF ADJACENT WATER BODIES, VEGETATION AND WILDLIFE, IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND BEST MANAGEMENT PRACTICES.

TRAFFIC CONTROL:

- THIS IS A NO-THROUGH ROAD. THE WORK SHALL BE STAGED TO KEEP ONE LANE OPEN AT ALL TIMES.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MTO ONTARIO TRAFFIC MANUAL BOOK 7 - TEMPORARY CONDITIONS.

SCOPE OF WORK:

THIS SCOPE OF WORK DOES NOT NECESSARILY REPRESENT THE FULL SCOPE OF WORK OR THE ORDER IN WHICH THE WORKS ARE TO BE COMPLETED, IT GENERALLY REPRESENTS THE WORKS TO BE COMPLETED.

- INSTALL SEDIMENT CONTROL AND ALL OTHER ENVIRONMENTAL PROTECTION MEASURES, AS REQUIRED.
- INSTALL TRAFFIC CONTROL INCLUDING SIGNAGE, AS REQUIRED.
- ESTABLISH THE WORK ZONE AND LAYDOWN AREAS.
- OBTAIN AS-BUILT INFORMATION REQUIRED TO COMPLETE THE WORKS.
- REMOVE AND SALVAGE THE STEEL W-BEAM BRIDGE RAIL, TIMBER CURBS, TIMBER RAIL POST BLOCKING (NOTE THAT 3 HAVE BEEN IDENTIFIED FOR REPLACEMENT), AND OTHER COMPONENTS AS REQUIRED.
- REMOVE AND DISPOSE OF THE WEARING SURFACE PLANKS, TIMBER RAIL POSTS, NAIL LAMINATED TIMBER DECK PLANKS REQUIRING REPLACEMENT AS NOTED, AND OTHER COMPONENTS AS REQUIRED.
- ALL TIMBER RAIL POST HORIZONTAL BOLTS ARE TO BE REPLACED.
- IT IS ESTIMATED THAT APPROXIMATELY 50% OF THE EXISTING HARDWARE CONSISTING OF BOLTS, NUTS AND WASHERS AND SIMILAR CAN BE SALVAGED AND REINSTATED. THE REMAINDER SHALL BE REPLACED.
- INSTALL NEW NAIL LAMINATED TIMBER DECK PLANKS.
- INSTALL NEW WEARING SURFACE PLANKS.
- INSTALL NEW TIMBER RAIL POSTS, REINSTATE STEEL W-BEAM BRIDGE RAIL, TIMBER CURBS, AND TIMBER RAIL POST BLOCKING.
- PLACE RIP-RAP AT EAST ABUTMENT TOWARDS THE DOWNSTREAM END.
- COMPLETE ANY REMAINING WORKS.
- COMPLETE A SITE RESTORATION.
- REMOVE ENVIRONMENTAL PROTECTION MEASURES BASED ON THE ENVIRONMENTAL PROTECTION PLAN.
- REMOVE TRAFFIC CONTROL MEASURES.

LEGENDS:

- TIMBER WEARING SURFACE
REMOVAL AND REPLACEMENT
- REMOVE, SALVAGE AND REINSTALL
CURBS AND SCUPPERS
- LAMINATED DECK REMOVAL AND
REPLACEMENT
- POST AND BLOCK REMOVAL AND
REPLACEMENT, NEW RIP-RAP SLOPE
PROTECTION

DISCLAIMER AND COPYRIGHT

CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED.

TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.

BENCHMARKS

N/A

NOTES

N/A

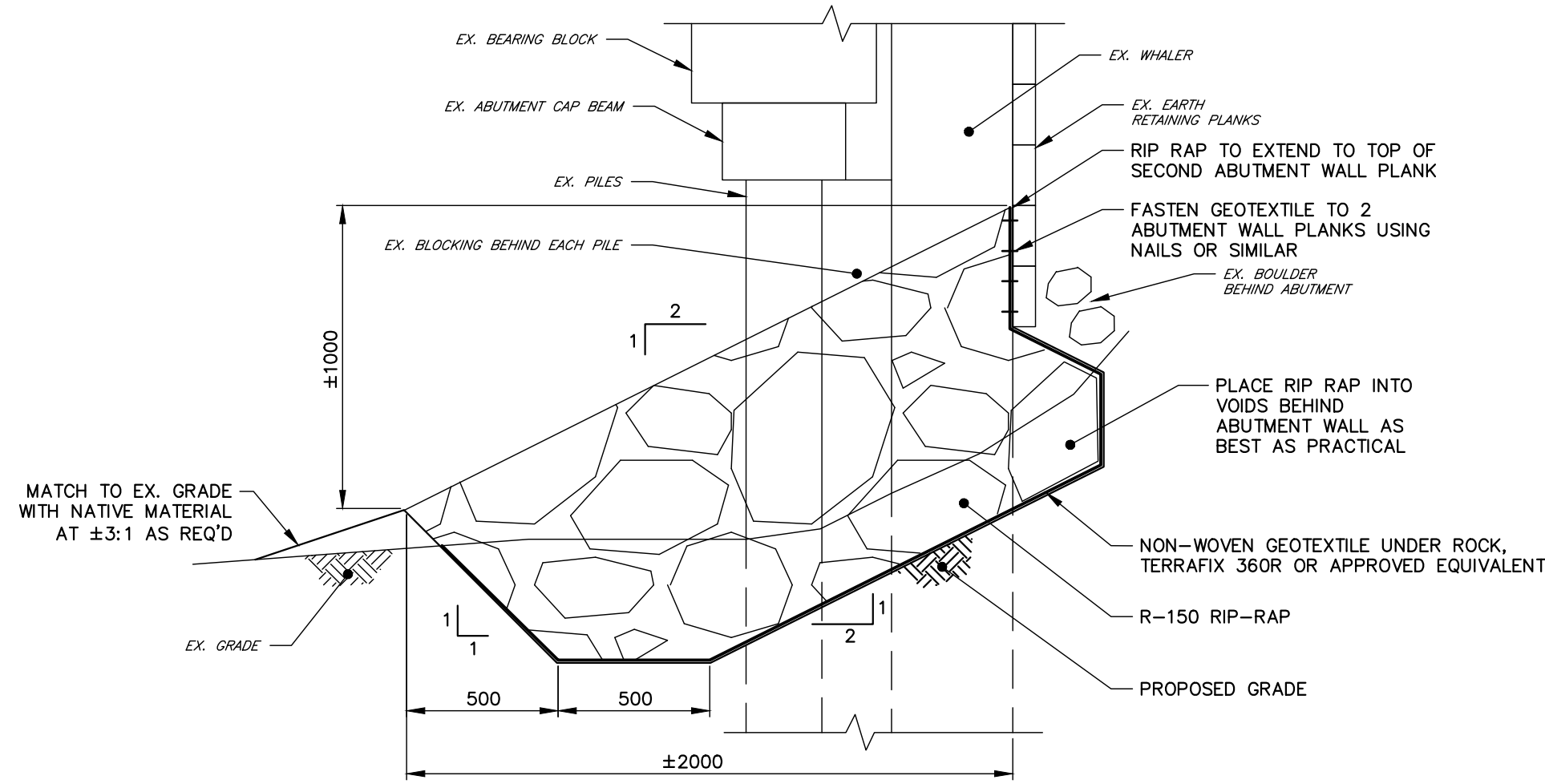
No.	REVISION DESCRIPTION	DATE	ENGINEER STAMP
1.	ISSUED FOR CLIENT REVIEW	MAY 2025	
2.	ISSUED FOR CLIENT REVIEW	JUNE 2025	

KENT'S MILL BRIDGE REPAIRS TOWNSHIP OF JOLY



GENERAL ARRANGEMENT

DESIGN: JY	FILE: 225017	DWG: GA.01
DRAWN: AMB	DATE: MAY 2025	
CHECK: BJW	SCALE: AS NOTED	



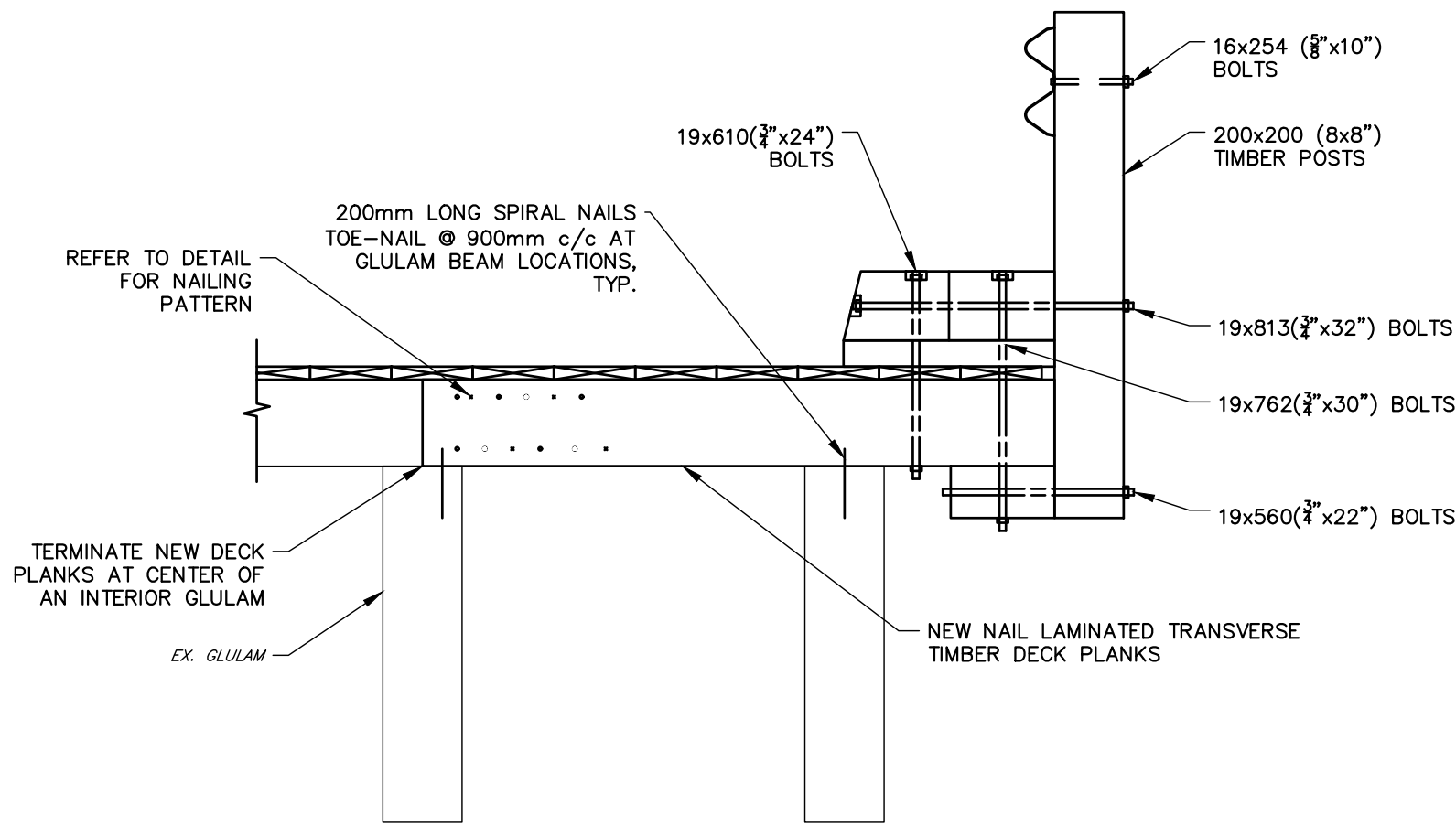
DETAIL - ROCK PROTECTION
1:20

TIMBERS:

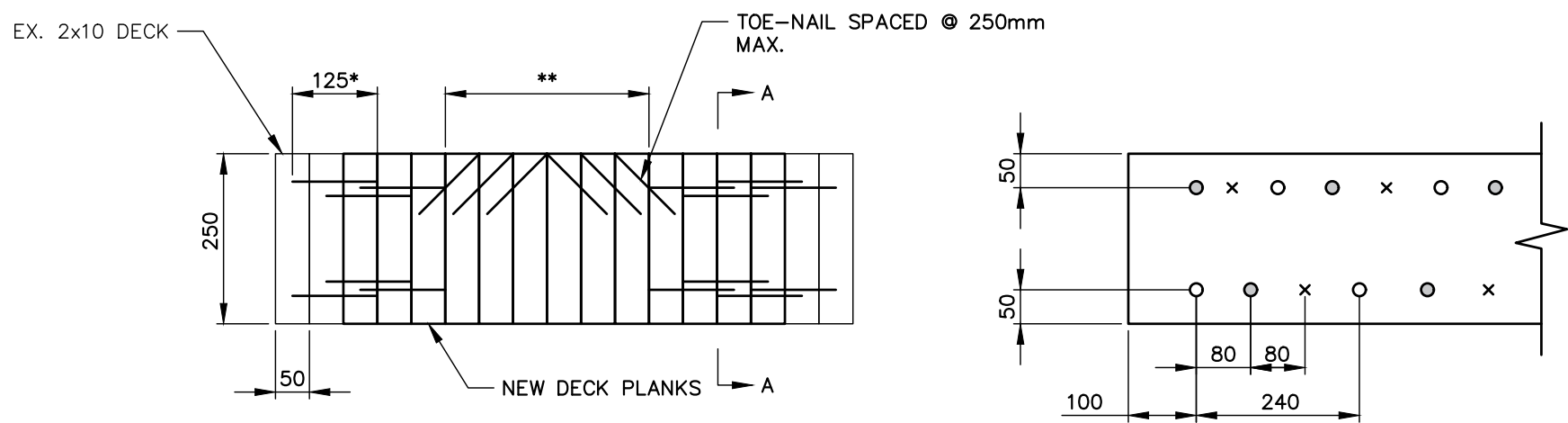
- WEARING SURFACE DIMENSIONAL TIMBER PLANKS TO BE TAMARACK OR E. HEMLOCK NO.1 OR BETTER PRESSURE TREATED, WITH CHROMATED COPPER ARSENATE (CCA).
- TRANSVERSE TIMBER DECK PLANKS TO BE ROUGH SAWN SPF SELECT STRUCTURAL.
- TIMBER INCLUDING GUIDE RAIL POST AND BLOCKING COMPONENTS TO BE ROUGH SAWN E. HEMLOCK NO.1 OR BETTER PRESSURE TREATED WITH CHROMATED COPPER ARSENATE (CCA).
- ALL HOLES DRILLED IN FIELD IN TREATED TIMBER SHALL BE TREATED WITH COPPER NAPHTHENATE WITH A BOLT HOLE TREATER SUPPLIED BY CONTRACTOR.
- TREATED TIMBER FIELD CUT ENDS SHALL BE TREATED WITH TWO BRUSH STROKES OF COPPER NAPHTHENATE SUPPLIED BY CONTRACTOR.
- PRESERVATIVE TREATMENT SHALL BE IN ACCORDANCE WITH OPSS.MUNI 1801 MATERIAL SPECIFICATION FOR WOOD, PRESERVATIVE TREATMENT, AND SHOP FABRICATION.
- NO CHAINS, HOOKS OR PEAVIES SHALL BE USED IN HANDLING TREATED WOOD.
- BUTT JOINTS SHALL BE STAGGERED IN SUCH A WAY THAT WITHIN ANY BAND WITH A WIDTH OF 1.0m MEASURED ALONG THE LAMINATE, A BUTT JOINT SHALL NOT OCCUR IN MORE THAN ONE LAMINATE OUT OF ANY THREE ADJACENT LAMINATES. LAMINATES REFER TO THE TRANSVERSE DECK PLANKS.

HARDWARE:

- FASTENERS FOR THE WEARING SURFACE PLANKS TO LAMINATED DECK SHALL BE 100mm LONG HOT-DIP GALVANIZED ARDOX STEEL NAILS.
- FASTENERS FOR THE TRANSVERSE LAMINATED DECK NAILING SHALL BE 125mm LONG HOT-DIP GALVANIZED ARDOX STEEL NAILS.
- FASTENERS FOR TRANSVERSE LAMINATED DECK TOE-NAIL SHALL BE 150mm LONG GALVANIZED ARDOX STEEL NAILS.
- FASTENERS FOR TRANSVERSE LAMINATED DECK TOE NAIL TO GLULAM SHALL BE 200mm LONG HOT-DIP GALVANIZED ARDOX STEEL NAILS.
- REPLACE ALL HARDWARE ASSOCIATED WITH THE RAIL POSTS IN KIND. ALL HARDWARE TO BE HOT-DIP GALVANIZED.
- SALVAGE EXISTING HARDWARE THAT IS IN GOOD CONDITION. REPLACE ANY HARDWARE THAT CANNOT BE REINSTATED. THIS IS ESTIMATED AT 50%.
- ALL HARDWARE EXPOSED TO VEHICULAR TRAFFIC OR LOCATED ON THE INTERIOR OR TOP FACE OF CURBS SHALL BE COUNTERSUNK OR USE CARRIAGE BOLTS.



DETAIL - CURB
1:20



DETAIL - TRANSVERSE DECK NAILING PATTERN
1:10

SECTION A-A
1:10

- INDICATES NAILING OF FIRST PLANK × INDICATES NAILING OF SECOND PLANK ○ INDICATES NAILING OF THIRD PLANK
- * WHERE DECK PLANKS ARE REPLACED BETWEEN EXISTING, INSTALL 125mm HORIZONTAL NAILS, RECOGNIZING LIMITED ACCESS BETWEEN ADJACENT EXISTING PLANKS, THE CONTRACTOR SHOULD UTILIZE COMPACT NAILING TOOLS (E.G., PALM NAILERS OR PNEUMATIC NAILERS).
- ** WHERE HORIZONTAL NAILING CANNOT BE ACHIEVED DUE TO SPACE CONSTRAINTS, THE PLANK WILL BE TOE-NAILED FROM THE TOP SURFACE OF THE PLANK INTO ADJACENT MEMBERS.

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BENCHMARKS

N/A

NOTES

N/A

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**KENT'S MILL BRIDGE REPAIRS
TOWNSHIP OF JOLY**

STRUCTURAL DETAILS



DESIGN: JY	FILE: 225017	DWG: S.01
DRAWN: AMB	DATE: MAY 2025	
CHECK: BJW	SCALE: AS NOTED	