



**Invitation to Tender No.: 2025-02**

**Menore Bridge Rehabilitation**

**APPENDIX D: SPECIAL PROVISIONS**

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**SP- 01            Mobilization/Demobilization**  
**Item A1**

This specification covers the requirements for the Contractor's mobilization and demobilization and shall apply to all components of the Contract including all sections.

Mobilization and Demobilization shall consist of the following items and/or procedures:

- Transportation of equipment
- Provision of Bonds and Insurance
- Provision of initial construction schedule and updates as requested
- All required notifications/communications with property owners, public, and agencies
- Attendance at preconstruction and site meetings
- Set up of appropriate sanitary facilities
- All required measures for securing of the site
- Demobilization including removal of all material and equipment

Measurement for payment of this item shall be on a Lump Sum basis, with 50% to be paid once mobilization has occurred and 50% to be paid upon completion of the job and demobilization.

**SP- 02            Environmental Protection**  
**Item A2**

Under this item, Payment at the contract price shall be full compensation for all labour, equipment, and material required to do the work:

Any sediment removal shall be included in the Environmental Protection Item.

Payment for this item shall be made as follows:

- a) 50% after the installation of environmental protection measures
- b) 50% after the removal of environmental protection measures

This Special Provision applies to all components of the Contract.

The provisions of OPSS 805 shall apply except as amended hereafter.

Installation, maintenance and removal of any and all necessary mitigation measures are required including, but not limited to, the following:

- Erosion Sock in all ditches within the construction limits as per OPSD 219.180
- Any other measure necessary to protect any existing watercourse/water body

- Approved MOE/MNR spills kit on site always

All environmental protection measures shall meet the approval of the Contract Administrator and the relevant authorities (i.e., Ministry of Natural Resources and Forests, Ministry of Environment and Climate Change, etc.).

Any discharge of water from de-watering activity is to be done away from any water course using filter bags, settling ponds, check dams, etc. to prevent silt and sediment from entering watercourses, etc. Discharge locations shall be placed a minimum of 30m from any watercourse.

No refueling of vehicles, equipment, etc. or storage of fuel is to take place within 30m of any watercourse.

Stationary equipment operating within 30m of any watercourse shall have hydrocarbon spill containment measures readily available.

All sediment and erosion control measures shall be installed prior to the Contractor commencing any work on site and shall be maintained until such time as the Contractor has completed all work required under the Contract.

Removal of sediment and erosion control measures and remediation of the associated excavations shall be the last item undertaken by the Contractor.

Payment for Environmental Protection shall on a Lump Sum basis.

All sedimentation and erosion control measures shall be reviewed by the Contract Administrator to ensure the item price is reflective of the labour, material and equipment required for the completion of the item. If, in the opinion of the Contract Administrator, the price is determined to be unbalanced in relation to the measures that have been installed, an appropriate percentage of the price shall be paid at the sole discretion of the Contract Administrator.

### **SP- 03      General Site Work** **Item A3**

Under this item, the Contractor shall complete the following work:

1. Stripping and grading of all slopes to the extent required for the installation of granular' s.
2. Stockpiling of stripped topsoil for reuse.
3. Benching of side slopes where slopes are flatter than 3H:1V.
4. Installation of delineator signs at the ends of all guiderail terminations.
5. Trimming and contouring of finished embankments.
6. All permits as required by any applicable agency.

7. All utility locates. The Contractor shall be responsible for the protection and stability of the utility poles within the Contract limits, including temporary removals, if necessary, to complete the work.
8. All clean-ups. Upon completion of the Contract the Contractor shall leave the project site in a neat and tidy condition to the full satisfaction of the Contract Administrator. All material not expressly incorporated into the work shall be removed from the project site and disposed of as stated elsewhere in the Contract. All garbage shall be removed from site.
9. All costs for items required in the General Conditions and Special Provisions of this Contract or intrinsic to the work and which are not covered under other items of work.

No measurement for payment will be made for the Item, "General Site Work". Payment shall be by Lump Sum on a pro-rated basis. All costs for Labour, Materials and Equipment necessary to complete the work of this Item shall be included in the Lump Sum bid for the Item, "General Site Work".

**SP- 04      Traffic Control Signing**  
**Item A4**

This Special Provision extends or amends the requirements of OPSS 706 as follows:

Under this item, the Contractor shall provide all temporary traffic control, including signage, flagmen, cones, etc. The contractor is to ensure that all work on the roadway conforms to OTM Book 7.

The Contractor will be required to supply and install Contractor's identification signs on all sections of the work. The signs shall be mounted on 100mm x 100mm wood posts. These signs shall include the Contractor's phone number.

All roadway edges shall be protected by barrels (TC-54) adequately spaced as to protect the motorists from entering the work zone and unsuitable driving conditions. These devices shall remain until such time that the work is completed.

**General**

The work of temporary traffic control signs shall include:

- a) Installation and relocation according to OTM Book 7.
- b) Temporarily relocating, modifying as required, and reinstalling existing small signs.
- c) Installing and removing contract information signs.
- d) Installing and removing Speed Fines Doubled (TC-90) signs.
- e) Messaging for all temporary traffic control signs shall adhere to OTM Book 7.

Temporary traffic control signs shall be installed before work affecting traffic begins, remain operational throughout the duration of the operation requiring signs and be removed upon completion of the operation.

The traffic control plan must be approved by the Contract Administrator prior to closing Brandon Road.

The Contractor shall supply, locate, relocate, erect, operate, maintain and remove all construction signs, delineators, pedestrian barricades, lanterns and flashing lights. All of these shall be in accordance with the Ontario Ministry of Transportation Temporary Conditions Manual, January 2014 edition (the Manual).

Construction signs mean all traffic control devices and signs identified in the Manual and/or shown on the drawings, including vehicles, etc. provided to support signs, and equipment to supply sign lighting.

Signs shall be in place before any work affecting traffic begins. Signs shall be modified as required to suit the progress of the work. They shall always be well maintained to be effective and remain operational throughout the duration of the operation requiring signs, including shutdown periods.

All existing signs removed by the Contractor to accommodate construction should be kept operational by placement of a temporary support and shall be reinstalled in accordance with the Manual after the work operation is complete. Temporarily located existing signs shall be kept at the same height, offset and basic location from traffic as before removal.

Where existing signs conflict with the temporary signs these signs shall be covered for the appropriate durations and uncovered again as required to suit the work operations.

Measurement for payment under this item shall be on a Lump Sum basis.

Payment at the Contract price for the above noted item shall be full compensation for all labour, equipment and material to do the work.

**Payment for this item shall be made as follows:**

- a) 50% for installation of Traffic Control measures
- b) 50% for maintenance during construction and removal Traffic Control measures

**SP- 05          Removal of Bridge Railings**

**Item A7**

This Special Provision modifies OPSS.MUNI 510 as follows:

The work under this item includes the removal of all timber posts, steel support brackets for the timber posts, guide rail, and guiderail blocking, for the full length of the bridge and wing walls.

Measurement for payment is based on length per side on a Plan Quantity Basis.

**SP- 06          Removal of Asphalt Pavement**

**Item A9**

This Special Provision modifies OPSS.MUNI 510 as follows:

The pavement to be removed is surface treatment. The Contractor shall assume an average depth of surface treatment removal of 50 mm. Should the actual average depth of surface treatment exceed 70 mm, then payment for this Item will be pro-rated based on 50 mm removal. There will be no additional payment if the actual average surface treatment thickness is between 50 and 70 mm. The material from this activity can be transported to 748 County Rd 6, Bath, ON K0H 1G0 Loyalist Township Roads Garage for disposal.

**SP- 07          Access to Work Area, Work Platform, and Scaffolding**

**Item A10**

This Special Provision modifies OPSS.MUNI 928 as follows:

Access to the work area is limited to the deck fascia and 1.5 m wide strip of bridge deck soffit adjacent the edges of the deck. There is no requirement for access to the interior soffit of the bridge.

**SP- 08          Concrete Removal – Partial Depth, Type A**

**Item A12**

This Special Provision modifies OPSS.MUNI 928 as follows:

The requirements of Section 928.04 Design and Submission Requirements are not applicable for this Item.

Measurement for payment for this Item shall be on a cubic metre basis. The depth of removal will be measured from the plane of the fully scarified deck surface.

**SP- 09          Concrete Removal – Partial Depth, Type B**

**Item A13**

This Special Provision modifies OPSS.MUNI 928 as follows:

This Item is limited to removals of concrete on the deck fascia and soffit within 1.5 metres of the external deck edges.

The requirements of Section 928.04 Design and Submission Requirements are not applicable for this Item.

Measurement for payment for this Item shall be on a cubic metre basis. Concrete already spalled away from the soffit edges will be included in the measurement for payment.

The Contractor shall complete his own take-off of the measurements for payment for verification by the Contract Administrator.

**SP- 010      Reinforcing Steel Bar – (Bars)**  
**Item A16**

This Special Provision modifies OPSS.MUNI 905 as follows:

The Item “Reinforcing Steel Bar – (Bars)” includes all reinforcing steel required by the drawings and structural standard drawings but excludes the Steel Wire Fabric and Galvanized Bars.

For clarity, there is no stainless-steel reinforcing required on this Contract. All the steel under this Item is conventional black steel rebar.

Measurement for payment shall be by the Kilogram.

**SP- 011      Galvanized REINFORCING STEEL BAR – (BARS)**  
**Item A17**

This Special Provision modifies OPSS.MUNI 905 as follows:

The Item “Galvanized Reinforcing Steel Bar – (Bars)” includes all galvanized reinforcing steel required by the drawings and structural standard drawings but excludes the Steel Wire Fabric.

For clarity, there is no stainless-steel reinforcing required on this Contract. All the steel under this Item is galvanized steel rebar.

Measurement for payment shall be by the Kilogram.

**SP- 012 GALVANIZED REINFORCING STEEL BAR – (WWM)**  
**Item A18**

This Special Provision modifies OPSS.MUNI 905 as follows:

The Item “Galvanized Reinforcing Steel Bar - WWM)” refers to the Steel Wire Fabric or welded wire-mesh (WWM) placed in the deck concrete overlay.

Steel Wire Fabric shall be lapped by an amount equal to the wire spacing in the fabric. The Steel Wire Fabric is to be hot dip galvanized.

Measurement for payment shall be by the square metre based on the net area of the completed concrete overlay on the deck, on a Plan Quantity Payment basis.

**SP- 013 DOWELS INTO CONCRETE (15M)**  
**Item A19, A20**

This Special Provision extends and modifies the requirements of OPSS.MUNI 904 as follows:

Section 904.07.05.02 Trial Installation is not required.

Pull out testing of dowels will only be required under the following circumstances:

Should the Engineer have any cause to believe that the dowels are not installed following the drawings, specifications and good installation practices the Contractor will be obligated to arrange for pull out testing of the dowels.

Should the pull-out testing indicate the dowels are satisfactorily anchored, then the contractor will be reimbursed for such testing. There will be no reimbursement however for lost productivity.

Should the pull-out test fail, the Contractor is obligated to pay for the testing and additionally, remedy all defective work to the satisfaction of the Engineer.

**SP- 014 Place Concrete Overlay**  
**Item A23**

This Special Provision extends or amends the requirements of OPSS.MUNI 930 as follows:

Measurement for payment shall be based on the concrete truck delivery tickets with appropriate deductions for waste and any concrete not incorporated into the work.



**SP- 015      Concrete Patches, Formed Surface (Fascia/Soffit)  
Item A25**

This Special Provision extends or amends the requirements of OPSS.MUNI 930 as follows:

The work under this Item is the concrete repair of the spalled and delaminated concrete on the bridge soffit edges and fascia.

As part of the work the Contractor shall reinstate the drip strip to original lines.

The Contractor shall utilize “letterbox” forms to place the concrete. The letterbox projection shall be removed and ground flush with the fascia as part of the work.

Measurement for payment will be equal to the volume of concrete paid for removal in the Item **Concrete Removal – Partial Depth, Type B**.

**SP- 016      Granular A  
Item A28-A**

This Special Provision extends or amends the requirements of OPSS.MUNI 314 as follows:

This Item includes the Granular A required for the road base and shoulder material, and anywhere else as required by the Contract.

**Construction**

New Granular ‘A’ shall be placed to set the final granular elevation to suit the design grades. This material shall be placed, graded and compacted to OPSS.MUNI 212, OPSS.MUNI 314, and OPSS 501. Compaction shall be 100% SPMDD.

The provision of water for compaction and any dust control measures for this material are included in this item.

The Contractor is responsible for any interim maintenance, grading, and corrective repair to the granular surface until the placement of the asphalt base course.

**Quality Assurance**

In accordance with OPSS.MUNI 314.07.08 – Quality Control, the Contractor shall carry out grade checks on the finished Granular “A” surfaces and carry out all QC grade checks required to ensure that the finished Granular “A” courses are built to within the specified tolerances for grade and cross-section. Submission of all Contractor grade checks related to Granular “A” finished surfaces shall be in accordance with OPSS.MUNI 314.07.09.

Measurement for Payment for the Item Granular A shall be in tonnes based on the delivery weigh tickets. The Contractor shall obtain and deliver to the Contract Administrator the weigh tickets for this Item. The weigh tickets shall identify the material type, tare weight, truck number, job site, tender item number, and date and time of delivery.

Should there be more than a 10% difference between the Tender amount and actual amount based on the weigh tickets an audit may be conducted to explain the difference.

**SP- 017      Hot Mix HL 3, HL-8  
Item A29, A30**

This Special Provision extends and modifies the requirements of OPSS 310 as follows:  
This Item is for base and surface courses as shown elsewhere on the drawings.  
The asphalt cement grade shall be PGAC 58-34 as per OPSS.MUNI 1101.

**Materials**

The materials used in the production of the HMA shall be according to OPSS.MUNI 1150 for Marshall mixes and OPSS.MUNI 1151 for Superpave and SMA mixes.

**Construction**

The Contractor shall pave base lift of hot mix asphalt with metal plates over storm and sanitary structures. After base course asphalt has been completed, the Contractor shall set all frames and grates to finished grade. All loose material and debris shall be cleaned out from around the structure frame and grates.

All cut asphalt edges with a depth greater than 60mm shall have a 0.5m lap joint. Depth of milling for the lap joints shall be 40mm for the entire width of the joint.

**Quality Assurance**

One sample shall be taken for each asphalt cement used on the Contract. Samples shall be taken at the plant.

Two samples shall be taken per day of paving (one sample will be delivered to the town for testing) and a full Marshall and compaction testing run on each sample. It shall be the Contractors responsibility to ensure samples are taken. Samples shall be delivered to the office of the Contract Administrator. Asphalt cement shall be PG 58-28 and shall conform to SHRP specifications.

QA samples shall be taken as directed by the Contract Administrator. One sample shall be taken, each day of paving operations, for each type of asphalt used on the Contract. Cores samples shall not be required, except in case of disagreement over asphalt depth, in which case it shall be ordered and paid for at the discretion of the Contract Administrator.

HMA samples shall be delivered to the office of the Contract Administrator.

Minimum dimensions for an asphalt patch to repair a defective area shall be determined by the Loyalist Township contract administrator.

Repair areas for surface asphalt within a single lane shall be separated by at least 100 m. If the delineation of repair areas results in patches less than 100 m apart, these repair areas shall be reestablished to form a continuous repair. The minimum width for a repair shall be one lane width.

For repairs exceeding 50 mm in depth, the patching material shall be placed in lift thicknesses of maximum 50 mm in depth and each lift shall be compacted prior to the addition of the next lift.

All repair areas after final compaction shall be free of defective areas, including, but not limited to wheel track marking, ravelling, uneven surface, and fat spots. Areas showing such defects shall be deemed rejectable.

The Contractor shall obtain and deliver to the Contract Administrator the weigh tickets for this Item. The weigh tickets shall identify the material type, tare weight, truck number, job site, tender item number, and date and time of delivery. Should there be more than a 10% difference between the Tender amount and actual amount based on the weigh tickets an audit may be conducted to explain the difference.

As part of the work under the Tender Item Hot Mix HL 3 and HL-8, the Contractor shall place temporary pavement markings upon completion of the paving.

**SP- 018      Asphalt Joint**  
**Item A31**

The work under this Item is for the construction of a sawcut asphalt joint at each end of the bridge. The sawcut shall be 20 mm wide and 50 mm deep and filled with hot-poured paraplastic.

Measurement for payment will be by the lineal metre of fully formed joint.

Payment at the unit price will be full compensation for all labour, equipment, and material to do the work.

**SP- 019      Steel Beam Guide Rail Structure Connections  
Item A32**

This Special Provision modifies OPSS.MUNI 721 as follows:

The work under this Item is to make the connection of the new guiderail to the structure reinforced concrete end walls following the MTO standard drawing given elsewhere on the Drawings. The work shall include the installation of steel embedments to anchor the guiderail and channel in the concrete end walls and installation of fasteners to connect the guiderail and channel to the end posts.

**SP- 020      Conservation Fees and Permits**

All environmental permits and fees shall be invoiced to Loyalist Township for Direct payment to the appropriate authorities. Loyalist will not incur any additional fees because of permitting requirements. This Clause dose not reflect any payments by Loyalist Township for fines incurred by the contractor.

**SP- 021      Granular B Type II  
Item A28-B**

This Special Provision extends or amends the requirements of OPSS.MUNI 314 as follows:

This Item includes the Granular B required for the road base material, and anywhere else as required by the Contract.

This Special Provision extends or amends the requirements of OPSS.MUNI 314 as follows:

The Granular B under this item is intended as subbase material. Measurement for Payment for the Item Granular B Type II shall be in tonnes based on the delivery weigh tickets. The Contractor shall obtain and deliver to the Contract Administrator the weigh tickets for this Item. The weigh tickets shall identify the material type, tare weight, truck number, job site, tender item number, and date and time of delivery.

Should there be more than a 10% difference between the Tender amount and actual amount based on the weigh tickets an audit may be conducted to explain the difference.

**Construction**

New Granular 'B' shall be placed to set the final granular elevation to suit the design grades. This material shall be placed, graded and compacted to OPSS.MUNI 212, OPSS.MUNI 314, and OPSS 501. Compaction shall be 100% SPMDD.

The provision of water for compaction and any dust control measures for this material are included in this item.

The Contractor is responsible for any interim maintenance, grading, and corrective repair to the granular surface until the placement of the asphalt base course.

### **Quality Assurance**

In accordance with OPSS.MUNI 314.07.08 – Quality Control, the Contractor shall carry out grade checks on the finished Granular “B” surfaces and carry out all QC grade checks required to ensure that the finished Granular “B” courses are built to within the specified tolerances for grade and cross-section. Submission of all Contractor grade checks related to Granular “B” finished surfaces shall be in accordance with OPSS.MUNI 314.07.09.

Measurement for Payment for the Item Granular B shall be in tonnes based on the delivery weigh tickets. The Contractor shall obtain and deliver to the Contract Administrator the weigh tickets for this Item. The weigh tickets shall identify the material type, tare weight, truck number, job site, tender item number, and date and time of delivery.

Should there be more than a 10% difference between the Tender amount and actual amount based on the weigh tickets an audit may be conducted to explain the difference.

### **SP- 022      Earth Excavation, Grading Item A36**

This Special Provision extends or amends the requirements of OPSS 206 as follows:  
The work under this Item includes excavation to the underside of the subbase in areas of existing asphalt.

Where excavated material is suitable for re-use into the finished work, it shall be separated from unsuitable material and be incorporated into the embankment widening and reconstruction. All surplus excavated material shall be disposed of offsite as per SP-023 Item A36

Payment for this Item shall be on a Lump Sum basis.

### **SP- 023      Earth Excavation Soils and Excess Soils General Item A36**

Excavated material suitable for reuse in the finished work shall be separated from unsuitable material and incorporated into the embankment widening and reconstruction. If the Contractor requires storage space for reusable material, reused material may be stored during the project at the Loyalist Township Roads Department, located at 748 County Rd 6, Bath, ON K0H 1G0. At the completion of the project the contractor is responsible for the relocation of all unused material at the Roads Garage to Violet.

All surplus excavated material (excess soils) shall be disposed of at the Violet Sanitary Landfill Site, 1346 Violet Rd, Odessa, ON K0H 2H0. No tipping fee will apply for the contractor, but the material must be scaled. A copy of the excess soil documentation from the hauler must be provided upon entry to the site and left with the scale house Attendant. A ticket indicating the excess soil and tonnage will be given to the transporter/hauler before they leave the site.

At the contractor's discretion, a more convenient reuse site for excess soils may be selected, provided it complies with the excess soil's regulation. If the contractor chooses to relocate fill to another reuse site, the site must be approved by the Contract Administrator. A site meeting for the reuse site must be held 24 hours in advance of the relocation of excess fil. A representative from Loyalist Township must attend any meeting involving the relocation of Excess soil. The contractor is not permitted to choose more than one reuse site for this project. The contractor is not permitted to choose a residential property with a Well or neighbouring well as a reuse site for this project.