



**Renfrew**

**TOWN OF RENFREW  
127 Raglan Street South  
Renfrew, Ontario  
K7V 1P8**



**Renfrew**

## **Request for Tender**

### **Miscellaneous Road Rehabilitations**

#### **Tender 2026-05-IPWE**

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Manager of Engineering & Asset Management  
Town of Renfrew  
127 Raglan Street South  
Renfrew, Ontario K7V 1P8  
Telephone: (613) 432-4848

Ashley Robertson  
Purchasing Assistant  
Town of Renfrew  
127 Raglan Street South  
Renfrew, Ontario K7V 1P8  
Telephone: (613) 432-4848



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**TOWN OF RENFREW**  
**127 Raglan Street South**  
**Renfrew, Ontario**  
**K7V 1P8**

The Tenderer is advised that the following CHECK LIST is provided to assist in the completion of an accurate and acceptable Tender Form. While every effort has been made to include all the information necessary, this CHECK LIST may not be complete, therefore the Tenderer is reminded to check all the tendering requirements outlined in Section A, General Special Provisions, prior to delivery of the completed Tender Form.

#### **TENDERER'S CHECK LIST**

- Tenderer's name and address (Tender Form on Page 11)
- Addenda numbers inserted on Tender Form page 13 (as applicable)
- All tender items bid
- Unit price(s) inserted
- Mathematical extension(s) complete with total(s)
- Mathematical summation complete with TOTAL TENDER AMOUNT
- TOTAL TENDER AMOUNT BID indicated on Tender Form Page 15
- List of Sub-contractors provided
- Erasures, over-writing or strike-outs initialed by person signing on behalf of the Tenderer
- Tender Form dated, signed and witnessed on last page
- Tender Deposit included in the form of a certified cheque or Bid Bond
- Agreements to Bond included
- Submit all required hard copy documentation at Renfrew Town Hall, 127 Raglan Street South, Renfrew Ontario K7V 1P8, by time and date specified in Section A: Instructions to Bidders.

It is mandatory that you register as a bidder with the Corporation of the Town of Renfrew, hereinafter referred to as the Town or Owner. **Failure to register will result in non-acceptance of your submission.**

**Questions** during the Tendering Period shall be submitted to the Town of Renfrew via email to Ashley Robertson, Purchasing Assistant, [purchasing@renfrew.ca](mailto:purchasing@renfrew.ca), and Justin Schauer, Manager of Engineering & Asset Management, Public Works & Engineering, [jschauer@renfrew.ca](mailto:jschauer@renfrew.ca). In the subject line state: "Tender 2026-05-IPWE for Miscellaneous Road Rehabilitation".

All communications during the tendering period shall be completed to the Town of Renfrew via email, and only questions received via email during the tendering process will be answered via Addendum, which will be circulated to all tender takers. It is the tenderers responsibility to ensure that all addenda have been included in their bid submission.



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## SECTION A: INSTRUCTIONS TO BIDDERS

### TENDER INFORMATION

#### A.01 Definitions

**Bidder:** means a person, sole proprietorship, firm, partnership, corporation, or any other business venture that submits a bid to the Town.

**Itemized Bid Form:** means the Owner approved form that the bidder is to use to price the items specified in the tender documents to perform the Work.

**Late Bid:** means a bid received after Tender Closing.

**Late Bid Notification:** is a statement sent by the Owner to a Bidder notifying the Bidder that their bid is late, will not be considered and is rejected.

**Non-Resident Contractor:** means any Contractor residing outside of the Province of Ontario and with respect to a corporate Contractor, not being incorporated pursuant to the laws of Ontario and who has not maintained a permanent place of business in Ontario continuously for twelve months prior to tender closing.

**Tender or Bid:** can be used interchangeably and mean the offer submitted by a Bidder to perform the Work required of the Tender Documents at the prices set out in the offer, and in accordance with the procedures more particularly described in these Instructions to Bidders. More particularly, the forms shall include, among other things, the Summary Bid Submission Form, and the Itemized Bid Form.

**Tender Closing or Tender Opening:** can be used interchangeably and mean the last date and time that the Owner will receive Bids.

**Tender Documents:** means the Tender, MTO General Conditions of Contract, Standard Specifications and Drawings, Special Provisions, Contract Drawings, Addenda incorporated into any aforementioned document, and documents referenced in the aforementioned documents.

**Unbalanced Bid:** means a Bid containing a lump sum or unit price amount, which does not reflect reasonable actual costs to do the Work as described in the Tender Documents, plus a reasonable proportionate share of the Bidder's anticipated profit, overhead costs, and other indirect costs.

#### A.02 Project Description

Rehabilitation of Miscellaneous Roads including:

**Maloney Road** from Bruce Street (north intersection) to Bruce Street (south intersection). Works include pulverizing the existing road surface, paving with a single lift of asphalt, shouldering, close cut clearing and property reinstatement.



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**Moore Street** from Bruce Street to dead end (north of Bruce Street). Works include pulverizing the existing road surface, paving with two lifts of asphalt, structure adjustments, sanitary sewer lining, and property reinstatement.

**Grigg Avenue** from Raglan Street North to dead end. Works include milling the existing road surface, resurfacing with a single lift of asphalt, structure adjustments, and property reinstatement.

**Raglan Street North** from Bruce Street to Grigg Avenue. Works include milling the existing road surface, resurfacing with a single lift of asphalt, installing a concrete gutter, isolated sidewalk replacements, structure adjustments, and property reinstatement.

**Railway Avenue** from Plaunt Street South to dead end (at Algonquin Trail). Works include pulverizing the existing road surface, paving with a single lift of asphalt, structure adjustments, sidewalk removal and localized replacement, and property reinstatement.

**Renfrew Avenue West** from dead end to Carswell Street. Works include pulverizing the existing road surface, paving with a single lift of asphalt, structure adjustments, sidewalk and curb removal, and property reinstatement.

**Rousselle Street** from McAndrew Avenue to Elgin Avenue. Works include pulverizing the existing road surface, paving with a single lift of asphalt, structure adjustments, localized sidewalk replacement, and property reinstatement.

### **A.03 Compliance with Instructions**

Bidders must comply with these Instructions to Bidders and those failing to do so may have the bid rejected.

### **A.04 Registration as a Bidder**

It is mandatory that you register as a bidder with the Corporation of the Town of Renfrew, hereinafter referred to as the Town or Owner. **Failure to register will result in non-acceptance of your submission.**

Please remit Name of Company, Name of Contact Person, and Contact Information to:

Ashley Robertson, Purchasing Assistant, Town of Renfrew

Email: [purchasing@renfrew.ca](mailto:purchasing@renfrew.ca)

All communications must reference **Tender 2026-05-IPWE** in the subject line.

### **A.05 Questions During Tendering Period**

All enquiries shall be in writing only.

**Questions** will be received until **2:00 PM local time, May 5th, 2026**. All responses to enquiries will be made by the Contract Administrator by **4:00 PM local time May 7th, 2026**.

**Questions** during the Tendering Period shall be submitted to the Town of Renfrew via email to Ashley Robertson, Purchasing Assistant, [purchasing@renfrew.ca](mailto:purchasing@renfrew.ca), and Justin Schauer, Manager of Engineering &



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Asset Management, Public Works & Engineering, [jschauer@renfrew.ca](mailto:jschauer@renfrew.ca). In the subject line state: "Tender 2026-05-IPWE for Miscellaneous Road Rehabilitation".

All responses that are not part of the Contract Documents will be sent to all tender takers via Addendum.

All communications during the tendering period shall be completed to the Town of Renfrew via email, and only questions received via email during the tendering process will be answered via Addendum, which will be circulated to all tender takers. It is the tenderers responsibility to ensure that all addenda have been included in their bid submission.

Unless addressed through an addendum to the Tender Documents issued by the Contract Administrator, all responses to bid enquiries shall not be incorporated as part of the Contract or in any way change the Contract.

### **A.06 Tender Closing Date**

Tenders for Miscellaneous Road Rehabilitation will be received until:

**2:00 PM, Local Time, May 12th, 2026**

### **A.07 Tender Closing Location**

Tenders shall be enclosed in a sealed envelope **marked "Tender 2026-05-IPWE for Miscellaneous Road Rehabilitation"** and will be addressed to Ashley Robertson, Purchasing Assistant, Town of Renfrew. Tenders shall be delivered by hand to 127 Raglan Street South, Renfrew, Ontario K7V 1P8, before: **2:00PM Local Time, Tuesday May 12th, 2026**. Bids received after closing time will not be considered. The Town of Renfrew is not responsible for submissions which arrive late or are not properly marked.

Bidders will be informed of the results via email once the Tender closes. Please note that these results will not be an official award. The contract will be awarded once the bids have been reviewed by the Town of Renfrew.

Respondents to this Tender are responsible for ensuring they have access to all documents pertaining to this Tender. Hard copies of this Tender will not be available or supplied by the Town. Respondents are responsible for all costs associated with, but not limited to, printing and compiling the Tender documents with associated attachments or appendices, drawings, and addenda.

The Tender and Addendum will be advertised on the Town of Renfrew website [www.Renfrew.ca](http://www.Renfrew.ca) and [www.Biddingo.com](http://www.Biddingo.com). Respondents to this Tender are responsible for ensuring they have received and reviewed all Addendum and noted this in Section B: Tender Form.

### **A.08 Tender Opening**

A public tender opening will take place at **2:05 PM, local time, May 12th, 2026**, at the Town of Renfrew Town Hall.

### **A.09 Approvals**

Award of this Contract is subject to the Town of Renfrew approval.



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## **A.10 Tender Acceptance / Contract Award**

The Owner reserves the right to return any or all “unopened” tenders. The lowest or any tender will not necessarily be accepted by the Owner, and the Town reserves the right to award any portion of this Tender. The Owner shall not be liable for any costs, expenses, loss or damage incurred, sustained or suffered by any bidder prior, or subsequent to, or by reason of the acceptance or the non-acceptance by the Owner of any tender, or by reason of any delay in the acceptance of a tender. The award of this Contract will be considered at a Town of Renfrew Council meeting. The lowest or any tender may not necessarily be accepted by the Town of Renfrew.

## **A.11 Contract Adjustment**

The Owner reserves the right to extend, reduce or alter the extent of the Contract should they determine it is necessary at their sole discretion and to suit budget constraints. Variations in tender quantities shall be dealt with in accordance with GC 8.01.02 of the OPS General Conditions of Contract.

## **A.12 Document Discrepancies**

Should a bidder find discrepancies in, or omissions from the Drawings or Contract Documents, they should immediately notify the Contract Administrator who may send a written instruction to all bidders.

## **A.13 Oral Interpretation**

No oral interpretation shall be effective to modify any of the provisions of the Contract Documents. All requests for interpretations shall be made in writing to the Contract Administrator.

## **A.14 Addenda**

All clarifications or other instructions issued by the Consultant during the time of tendering will be in writing by form of an Addendum and will be issued to all who have been issued with tender documents.

Tenderers may, during the tendering period, be advised by Addenda of required additions to, deletions from, or alterations to the requirements of the Tender Documents. All such changes shall become an integral part of the Tender Documents and shall be allowed for in arriving at the Tender Price.

Tenderers shall insert, in the space provided in the Tender Form, the Addenda numbers of all Addenda received by them during the tendering period including any bound into the specifications. If no Addenda have been received, the word “None” shall be inserted in the space provided.

Copies of addenda shall be signed and enclosed with the tender documents for the tender opening.

## **TENDER REQUIREMENTS**

### **A.15 Schedule Submission**

The bidder will submit at the time of tender submission a Schedule of Work. The Schedule will include a time scale by the week, execution of task, duration, start and finish date of each task, and milestones. The schedule will show project completion as per the Contract documents and will be completed within the time frame set out in the Contract.



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## **A.16 Tender Deposit**

Each tender must be accompanied by a **certified cheque, money order, bank draft, or bid bond**, made payable to the “Corporation of the Town of Renfrew” in the amount of at least 10% of the bid price before taxes and must be enclosed in the same envelope as the tender.

The Tender Deposits of the two (2) lowest acceptable bidders shall be retained until the successful bidder has executed the Contract documents. All remaining Tender Deposits shall be returned to the respective bidders on the next business day following the acceptance of Tender. The Tender Deposit of the successful bidder will be returned when he has fully complied with the conditions outlined in the Contract documents following the Town of Renfrew Procurement Policy.

## **A.17 Agreement to Bond**

Each tender must be accompanied by the attached Agreement to Bond Form or acceptable equivalent completed by the Bonding Company.

## **A.18 Performance & Maintenance and Labour & Material Payment Bonds**

When the Contract Agreement is signed, the successful bidder must furnish a Performance and Maintenance Bond for 100% of the tender amount and a Labour and Material Payment Bond for 50% of the Tender amount. Both bonds to be issued by a bonding company.

A Contract Performance Bond for 100% of the Total Tender Amount, including all applicable taxes, issued by an approved surety company, or cash or acceptable collateral in the amount of 100% of the Total Tender Amount, must be furnished by the Contractor within 10 days of acceptance of the Contract by the Town.

A Labour and Materials bond for 50% of the Total Tender Amount, including all applicable taxes, issued by an approved surety company, or cash or acceptable collateral in the amount of 50% of the Total Tender Amount, must be furnished by the Contractor within 10 days of acceptance of the Contract by the Town.

Where the Bonds are furnished, it shall cover the faithful performance of the Contract and the payment of all obligations, including all materials and supplies for all sub-contractors and equipment, arising under the Contract.

Where cash or other collateral is furnished in lieu of a Bond, other arrangements for the one-year maintenance period, acceptable to the Town, shall be made.

## **A.19 Tender Form and Signing Authority**

Tenders shall be submitted on the Tender Form supplied herein and must be properly signed and witnessed or signed and sealed if the bidder is a Corporation.

The entire work is to be awarded to (1) one Contractor and therefore ALL ITEMS on the Tender Form must be bid.

All unit prices must be clearly indicated. Erasures, over-writing, or strikeouts must be initialed by the person signing on behalf of the Contractor.



In the event of a discrepancy between the unit price submitted and the extension utilized in the calculation of the total for any item, then the unit price shall govern. Any errors will be corrected in red by the Town to recalculate a revised tender bid amount. The tenderer will be made aware of any errors prior to award of the contract.

The total bid must not be restricted by a statement added to the Tender Form, or a covering letter, or alterations to the Tender Form provided by the Town. Adjustments to a Tender already submitted will not be considered. A bidder desiring to make adjustments to a Tender must withdraw the Tender and/or supersede it with a later submission, on or before the closing date and time of this tender.

### **A.20 Tender Alteration**

The Tender Form must be legible, and all items must be bid. Each amount in the Tender shall be a reasonable price for each item. Tenders which are incomplete, unbalanced, conditional, or obscure, or contain erasures or alterations not properly initialed, or irregularities of any kind, may be rejected as informal or void. Tenders submitted by facsimile will not be accepted.

Bidders that submit tenders that contain unit prices that appear to be an Unbalanced Bid may be referred to the Owner and any Tenders that are so unbalanced that it may adversely affect the interests of the Owner, may be rejected.

The Owner will not allow any Bidder to adjust the total tender amount after Tender Closing. In the event of a mathematical error or discrepancy in the Itemized Bid Form, the Owner may request the Bidder to resubmit the itemized bid form without changing the total tender amount.

### **A.21 Tender Deposit Forfeiture**

The tender deposit of the bidder whose tender is accepted shall be forfeited by the Bidder should they fail to execute the agreement and provide the required bonds and insurance certificate within ten (10) days after receiving written notice from the Owner of the award of the Contract.

### **A.22 Tender Deposit Returns**

When copies of the executed Contract are returned and found acceptable, the tender deposits of the successful bidder and the second low bidder shall be returned. The tender deposits of the remaining unsuccessful bidders will be returned within ten (10) days of the opening of tenders.

### **A.23 Liability Insurance**

Sub-section GC6.03.02 of Section D, General Conditions of Contract, is hereby amended with the addition of the following provisions:

The Certificate of Insurance required under this Section shall be submitted as soon as is practical after notification of acceptance of the Tender. The liability insurance coverage shall specifically include coverage to the limit of not less than five (5) million dollars (\$5,000,000.00), exclusive of interest and cost, in respect of any one accident.

The Certificate of Insurance shall name the following as additional insured:

*The Corporation of the Town of Renfrew – 127 Raglan Street South, Renfrew, Ontario K7V 1P8*



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Sub-section GC6.03.03 of Section D, General Conditions of Contract, is hereby amended by the following:

The automobile liability insurance coverage shall include coverage of not less than two million dollars (\$2,000,000.00), inclusive per occurrence.

#### **A.24 Health and Safety Submission**

The successful bidder will submit, with the Contract Award, a copy of the company's formal documented Occupational Health and Safety Program Manual. Along with the OHSP Manual, the successful bidder will submit at time of Contract Award a current Company organization chart indicating the reporting structure of safety personnel. Be advised that, before the award of the Contract, the bidder will be required to provide the name(s) of Safety Designate(s) assigned to the specific project, complete with proof of current training.

The Contract documents will be sent to the successful bidder after acceptance of Tender. The bidder shall fully execute and return the documents together with the applicable bonds, if such are required, to the Contract Administrator within seven working days of the date the documents are received.

Following receipt of the properly executed documents, certificate of liability insurance and, where applicable, the contract bonds, the Bidder will receive written authority to proceed with the work by the Contract Administrator.

If the successful Bidder fails to return the applicable documents to the Contract Administrator, within seven working days of receipt, the matter may be referred to the Owner without prejudice to any right or remedy the Owner may have in law.

Non-resident Contractors must provide a retail sales tax "Letter of Compliance" from the Ministry of Finance, failing which the non-resident Contractor shall satisfy the Retail Sales Tax Act and its regulations (as amended from time to time) in lieu, therefore.

#### **A.25 Contractor's Experience**

When so required by the Town, the Contractor shall produce evidence as to their qualifications and previous experience in the types of work contemplated by this Contract. The Town, at its sole discretion, reserves the right to reject any bid submission from any proponent, if upon request by the Town, that proponent cannot provide evidence of their experience, including but not limited to resumes of key personnel assigned to the works, list of previous projects completed, references, etc. If a proponent submitting a Tender has ever, past or present, exercised legal action against the Town or any of its agents, staff, or personnel, for any reason, their Tender may be rejected at the sole discretion of the Town.



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## **SECTION B: TENDER FORM**

Tender for the: **Miscellaneous Road Rehabilitation**  
**Tender 2026-05-IPWE**

---

NAME OF TENDERER (Company or Individual)

---

ADDRESS OF TENDERER

(Telephone Number)

---

NAME OF PERSON SIGNING FOR TENDERER

---

OFFICE/TITLE OF PERSON SIGNING FOR TENDERER

NOTE: If the Tender is submitted by or on behalf of any Corporation, it must be signed in the name of such Corporation by some duly authorized officer or agent thereof. The said officer or agent shall subscribe his own name and office and beside affix the seal of the Corporation thereto.



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Tender for the: **Miscellaneous Road Rehabilitation**  
**Tender 2026-05-IPWE**

TENDERS TO BE RECEIVED BY: Hard copy at the  
Town of Renfrew, 127 Raglan Street South, Renfrew Ontario K7V 1P8

BEFORE: **2:00 pm Local Time, Tuesday May 12th, 2026**

Deposit Required with Tender: **As specified in General Special Provisions**

Bond Required for Contract: **100% Performance Bond, 50% Labour and Materials Bond**

Completion of Work and Delivery of Materials under this Contract: **Friday, August 28<sup>th</sup>, 2026**  
**(Substantial Performance Date)**

The Corporation of the Town of Renfrew reserves the right to, increase, decrease, or delete an item in its entirety, or reject any or all Tenders if it is deemed advisable to do so. The lowest or any tender will not necessarily be accepted.



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### **Addenda Confirmation**

The Mayor and Council

Corporation of the Town of Renfrew

Sir / Ma'am:

The Tenderer has carefully examined and understands and accepts the Provisions, Specifications, Conditions and Drawings referred to in the Schedule of Provisions, Specifications, Conditions and Drawings and **Addenda Nos. \_\_ to \_\_\*** attached hereto as part of this Tender, and has carefully examined the site, including the nature of the utilities and location of the work to be done under this Contract and, for the prices set forth in this Tender, hereby offers to furnish all labour, materials, machinery, tools, apparatus and other means of construction necessary to complete the work in strict accordance with the Provisions, Specifications, Conditions and Drawings referred to in the said Schedule.

Notification of acceptance and delivery of the Form of Agreement shall be made by the Town by courier, addressed to the Tenderer at the address contained in the Tender and, upon such notification of acceptance, the Tenderer shall complete the Form of Agreement between the parties and execute the Contract and furnish the Performance Bond, duly completed, and necessary proof of insurance, within 14 days of mailing of said notification to the Tenderer.

Attached to this Tender is a certified cheque or bid bond in the amount required by the General Special Provisions and made payable to: The Corporation of the Town of Renfrew. The proceeds of this cheque or bid bond shall, upon acceptance of the Tender, constitute a deposit which shall be forfeited to the Town if the Tenderer fails to file with the Town, the Form of Agreement duly executed, together with the Performance Bond and Labour and Materials Bond, proof of insurance and proof of Workplace Safety and Insurance Board, all as specified.

***\* The Tenderer will insert the numbers of the Addenda received by him during the tendering period and taken into account by him in his Tender.***

Addendum #

Date Received

# \_\_\_\_\_

\_\_\_\_\_

# \_\_\_\_\_

\_\_\_\_\_

# \_\_\_\_\_

\_\_\_\_\_

Check here if No Addenda considered.



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### AGREEMENT TO BOND AND FORM OF BOND

We, the undersigned, hereby agree to become bound as Surety for

\_\_\_\_\_

(Name of Tenderer)

an amount equal to One Hundred Per Cent (100%) of the Total Tender Amount including all applicable taxes, and conforming to the Instruments of the Contract attached hereto, for the full and due performance of the works shown as described herein, Tender 2026-05-IPWE, Corporation of the Town of Renfrew, such Performance Bond to provide a period of maintenance of One (1) years after the date of Substantial Performance of the work, and a 50% Labour and Materials Bond.

It is a condition of this Agreement that, if the above-mentioned Tender is accepted, application for a Performance Bond and Labour and Materials Bond must be made to the undersigned within ten (10) days of notice of Contract Acceptance. Otherwise, this Agreement shall be null and void.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2026.

\_\_\_\_\_

Name of Bonding Company

By: \_\_\_\_\_

Attorney-in-Fact

Note: In lieu of the above "Agreement to Bond and Form of Bond" form, the Town will accept a similar type of form issued by the Bonding Company provided all the conditions as outlined above are stipulated on the Bonding Company's form.



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**TENDER SUMMARY**

**Miscellaneous Road Rehabilitation**

**Tender 2026-05-IPWE**

**TENDER AMOUNT BID FOR Tender 2026-05-IPWE \$ \_\_\_\_\_**

**\*(Amount transferred from Page 24, excluding HST)**



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## SCHEDULE OF UNIT PRICES

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 NO.	DESCRIPTION	SPEC. NO	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
<b>PART A: Rehabilitation of Maloney Road from Bruce Street (South Intersection) to Bruce Street (North Intersection), approx. 0.7 km</b>						
1	Sitework incl. Mobilization and Demobilization	SPI-100-3	lump sum	1		
2	Close Cut Clearing	201.MUNI	ha	0.11		
3	Granular Sealing	305.MUNI SPI-305-3	square metre	800		
4	Hot Mix HL4 or Equivalent PGAC 58-34 50 mm Depth incl. Driveways and Intersection Tie-ins	310.MUNI SPI-100-4 SPI-102-1 SPI-310-5 SPI-310-10 SPI-310-12 SPI-310-13 SPI-310-15	tonne	500		
5	Granular 'A' Roadbase 50 mm Depth	314.MUNI SPI-100-4 SPI-102-1 SPI-1010-1	tonne	600		
6	Granular 'A' Shouldering Incl. Driveway and Intersection Tie-ins	314.MUNI SPI-100-4 SPI-102-1 SPI-206-32 SPI-314-15 SPI-314-19 SPI-1010-1	tonne	200		
7	Full Depth Reclamation of Bituminous Pavement and Underlying Granular	330.MUNI SPI-100-4 SPI-330-1	square metre	3470		
8	Remove and Reinststate Concrete Entrance incl. Granular 'A' Base	351.MUNI	square metre	30		
9	Dust Suppressant (Calcium Chloride Flake)	506.MUNI	kilogram	500		



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10	Remove, Salvage, and Reinstall Interlocking Pavers	510.MUNI SPI-355-1	square metre	20		
11	Removal of Asphalt Pavement - Partial Depth, 3m Wide at Intersections Tie Ins	510.MUNI SPI-510-1	square metre	72		
12	Relocation of Mailboxes inc. New 4x4 Post and Appurtenances	SPI-599-1	each	10		
13	Sod incl. 100mm Topsoil	803.MUNI SPI-803-01	square metre	50		
<b>Part A Subtotal</b>						

**PART B: Rehabilitation of Moore Street from Bruce Street to Dead End, approx. 0.3 km**

ITEM NO.	DESCRIPTION	SPEC. NO	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
14	Sitework incl. Mobilization and Demobilization	SPI-100-3	lump sum	1		
15	Hot Mix SP12.5 or Equivalent PGAC 58-34 50 mm Depth incl. Driveways and Intersection Tie-ins	310.MUNI SPI-100-4 SPI-102-1 SPI-310-5 SPI-310-10 SPI-310-12 SPI-310-13 SPI-310-15	tonne	305		
16	Hot Mix SP19 or Equivalent PGAC 58-34 50 mm Depth incl. Intersection Tie-ins	310.MUNI SPI-100-4 SPI-102-1 SPI-310-5 SPI-310-10 SPI-310-12 SPI-310-13 SPI-310-15	tonne	260		
17	Granular 'A' Roadbase 50 mm Depth	314.MUNI SPI-100-4 SPI-102-1 SPI-1010-1	tonne	270		



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18	Granular 'A' Driveway Tie-ins	314.MUNI SPI-100-4 SPI-102-1 SPI-206-32 SPI-314-15 SPI-314-19 SPI-1010-1	tonne	50		
19	Full Depth Reclamation of Bituminous Pavement and Underlying Granular	330.MUNI SPI-100-4 SPI-330-1	square metre	2160		
20	Remove and Replace Concrete Entrances and Walkways	351.MUNI	square metre	15		
21	Adjust Water Valve	408.MUNI SPI-408-3	each	3		
22	Adjust Catch Basin or Maintenance Hole, Pour Cast-in-Place Concrete Collar	408.MUNI SPI-408-1	each	7		
23	Adjust Water Valve	408.MUNI SPI-408-3	each	3		
24	Parging of Existing Catch Basin or Manhole Pipe Connection including Subdrains	408.MUNI SPI-408-5	each	20		
25	Rehabilitation of Non-Pressure Pipe by Cured In Place Pipe (CIPP) Liner	443.MUNI	metre	155		
26	Dust Suppressant (Calcium Chloride Flake)	506.MUNI	kilogram	250		
27	Sod incl. Topsoil	803.MUNI SPI-803-1	square metre	1080		
<b>Part B Subtotal</b>						

**Part C: Grigg Avenue from Raglan Street North to Dead End, approx. 0.2 km**

ITEM NO.	DESCRIPTION	SPEC. NO	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
28	Sitework incl. Mobilization and Demobilization	SPI-100-3	lump sum	1		



# Renfrew

**TOWN OF RENFREW**  
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29	Hot Mix SP12.5 or Equivalent PGAC 58-34 50 mm Depth Including Driveways and Intersection Tie-ins	310.MUNI SPI-100-4 SPI-102-1 SPI-310-5 SPI-310-10 SPI-310-12 SPI-310-13 SPI-310-15	tonne	250		
30	Provide and Install MH Frame and Cover as per OPSD 401.010 Type A including Adjustment and Poured Concrete Collar Overtop Exiting Lamp Hole	408.MUNI SPI-408-99	each	1		
31	Removal of Asphalt Pavement - Partial Depth	510.MUNI SPI-510-1	square metre	2015		
<b>Part C Subtotal</b>						

**PART D: Rehabilitation of Raglan Street North from Bruce Street to Grigg Avenue, approx. 0.2 km**

ITEM NO.	DESCRIPTION	SPEC. NO	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
32	Sitework incl. Mobilization and Demobilization	SPI-100-3	lump sum	1		
33	Hot Mix SP12.5 or Equivalent PGAC 58-34, 50 mm Depth Including Driveways and Intersection Tie-ins	310.MUNI SPI-100-4 SPI-102-1 SPI-310-5 SPI-310-10 SPI-310-12 SPI-310-13 SPI-310-15	tonne	255		
34	Removal of Asphalt Pavement incl. Cutting	510.MUNI	square metre	220		
35	Monolithic Concrete Sidewalk 125mm Thickness	351.MUNI SPI-311-5 SPI-351-1	square metre	24		
36	Curb and Gutter as per OPSD 600.030	353.MUNI SPI-353-1	metre	145		
37	Adjust Water Valve	408.MUNI SPI-408-3	each	4		



# Renfrew

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38	Adjust Maintenance Hole or Catch Basin, Pour Cast-in-Place Concrete Collar	408.MUNI SPI-408-1	each	3		
39	Parging of Existing Catch Basin or Manhole Pipe Connection incl. Subdrains	408.MUNI SPI-408-5	each	6		
40	Removal of Asphalt Pavement - Partial Depth	510.MUNI SPI-510-1	square metre	1850		
<b>Part D Subtotal</b>						

**PART E: Rehabilitation of Railway Avenue from Plaunt Street South to Dead End, approx. 0.1 km**

ITEM NO.	DESCRIPTION	SPEC. NO	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
41	Sitework incl. Mobilization and Demobilization	SPI-100-3	lump sum	1		
42	Granular Sealing	305.MUNI SPI-305-2 SPI-305-4	square metre	150		
43	Hot Mix HL4 or Equivalent PGAC 58-34 50 mm Depth Including Driveways and Intersection Tie-ins	310.MUNI SPI-100-4 SPI-102-1 SPI-310-5 SPI-310-10 SPI-310-13 SPI-310-15	tonne	170		
44	Granular 'A' Roadbase 50 mm Depth	314.MUNI SPI-100-4 SPI-102-1 SPI-1010-1	tonne	150		
45	Granular 'A' Shouldering incl. Driveway and Intersection Tie-ins	314.MUNI SPI-100-4 SPI-102-1 SPI-206-32 SPI-314-15 SPI-314-19 SPI-1010-1	tonne	20		
46	Full Depth Reclamation of Bituminous Pavement and Underlying Granular	330.MUNI SPI-100-4 SPI-330-1	square metre	1180		



# Renfrew

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47	Monolithic Concrete Sidewalk 125mm Thickness	351.MUNI SPI-311-5 SPI-351-1	square metre	45		
48	Remove and Replace Concrete Walkway	351.MUNI	square metre	6		
49	Adjust Water Valve	408.MUNI SPI-408-3	each	1		
50	Adjust Maintenance Hole, Pour Cast-in-Place Concrete Collar	408.MUNI SPI-408-1	each	2		
51	Provide and Install MH Frame and Cover as per OPSD 401.010 Type A incl. Adjustment and Pour a Cast-in-Place Concrete Collar Overtop Exiting Lamp Hole	408.MUNI SPI-408-99	each	1		
52	Parging of Existing Catch Basin or Manhole Pipe Connection incl. Subdrains	408.MUNI SPI-408-5	each	5		
53	Dust Suppressant (Calcium Chloride Flake)	506.MUNI	kilogram	100		
54	Remove Concrete Sidewalk 125mm Thickness	510.MUNI SPI-510-22	square metre	48		
55	Sod incl. Topsoil	803.MUNI SPI-803-1	square metre	150		
<b>Part E Subtotal</b>						

**PART F: Rehabilitation of Renfrew Avenue West from Dead End to Carswell Street, approx. 0.1 km**

ITEM NO.	DESCRIPTION	SPEC. NO	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
56	Sitework incl. Mobilization and Demobilization	SPI-100-3	lump sum	1		
57	Earth Excavation, Grading 300 mm depth	206.MUNI	square metre	50		
58	Hot Mix HL4 or Equivalent PGAC 58-34 50 mm Depth incl. Driveways and Intersection Tie-ins	310.MUNI SPI-100-4 SPI-102-1 SPI-310-5 SPI-310-10 SPI-310-13 SPI-310-15	tonne	150		



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59	Granular 'A' Roadbase 50mm Depth incl. Driveway Tie-ins	314.MUNI SPI-100-4 SPI-102-1 SPI-1010-1	tonne	220		
60	Full Depth Reclamation of Bituminous Pavement and Underlying Granular	330.MUNI SPI-100-4 SPI-330-1	square metre	990		
61	Adjust Water Valve	408.MUNI SPI-408-3	each	1		
62	Adjust Maintenance Hole, Pour Cast-in-Place Concrete Collar	408.MUNI SPI-408-1	each	2		
63	Provide and Install MH Frame and Cover as per OPSD 401.010 Type A incl. Adjustment and Pour Cast-in-Place Concrete Collar Overtop Exiting Lamp Hole	408.MUNI SPI-408-99	each	2		
64	Parging of Existing Catch Basin or Manhole Pipe Connection incl. Subdrains	408.MUNI SPI-408-5	each	6		
65	Dust Suppressant (Calcium Chloride Flake)	506.MUNI	kilogram	100		
66	Remove Concrete Sidewalk 125 mm Thickness	510.MUNI SPI-510-22	square metre	120		
67	Remove Barrier Curb	510.MUNI SPI-510-22	metre	110		
68	Sod incl. Topsoil	803.MUNI SPI-803-1	square metre	440		
<b>Part F Subtotal</b>						

**PART G: Rehabilitation of Rousselle Street from McAndrew Avenue to Baldwin Street, approx. 0.3 km**

ITEM NO.	DESCRIPTION	SPEC. NO	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
69	Sitework incl. Mobilization and Demobilization	SPI-100-3	lump sum	1		
70	Granular Sealing	305.MUNI SPI-305-3	square metre	275		



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71	Hot Mix HL4 or Equivalent PGAC 58-34, 50 mm Depth incl. Driveways and Intersection Tie-ins	310.MUNI SPI-100-4 SPI-102-1 SPI-310-5 SPI-310-10 SPI-310-12 SPI-310-13 SPI-310-15	tonne	340		
72	Granular 'A' Roadbase 50 mm Depth	314.MUNI SPI-100-4 SPI-102-1 SPI-1010-1	tonne	300		
73	Granular 'A' Shouldering incl. Driveway and Intersection Tie-ins	314.MUNI SPI-100-4 SPI-102-1 SPI-206-32 SPI-314-15 SPI-314-19 SPI-1010-1	tonne	90		
74	Full Depth Reclamation of Bituminous Pavement and Underlying Granular	330 SPI-100-4 SPI-330-1	square metre	2170		
75	Adjust Maintenance Hole or Catch Basin, Pour Cast-in-Place Concrete Collar	408.MUNI SPI-408-1	each	6		
76	Adjust Water Valve	408.MUNI SPI-408-3	each	2		
77	Parging of Existing Catch Basin or Manhole Pipe Connection incl. Subdrains	408.MUNI SPI-408-5	each	7		
78	Dust Suppressant (Calcium Chloride Flake)	506.MUNI	kilogram	300		
79	Remove Existing Wooden Fence and Install Steel Beam Guiderail	721.MUNI	metre	100		
<b>Part G Subtotal</b>						



# Renfrew

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## FORM OF TENDER

### Miscellaneous Road Rehabilitation

Tender No. 2026-05-IPWE

### SUMMARY

PART	DESCRIPTION	TOTAL AMOUNT
A	Maloney Road	
B	Moore Street	
C	Grigg Avenue	
D	Raglan Street North	
E	Railway Avenue	
F	Renfrew Avenue West	
G	Rousselle Street	
<b>SUBTOTAL*</b>		
<b>H.S.T. (13.0%)</b>		
<b>TOTAL TENDERED AMOUNT</b>		

\*Enter this amount on page 15.



# Renfrew

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The following list of Subcontractors will be carrying out part of this Contract.

Name of Subcontractor	Address	List of Work to be Completed by Subcontractor



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## **SECTION C: AGREEMENT BETWEEN OWNER AND CONTRACTOR**



# Renfrew

**TOWN OF RENFREW**  
127 Raglan Street South  
Renfrew, Ontario  
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## AGREEMENT BETWEEN OWNER AND CONTRACTOR

This Agreement made on the \_\_\_\_\_ day of \_\_\_\_\_, 2026,

### BETWEEN:

The Corporation of the Town of Renfrew

(hereinafter called the "Owner")

### AND:

---

(hereinafter called the "Contractor")

### ARTICLE A-1 THE WORK

The Contractor shall:

- 1.1 Perform the work contained in the Contract Documents which are:  
**Tender No. 2026-05-IPWE – Miscellaneous Road Rehabilitation**  
Located within, Renfrew, Ontario.
- 1.2 Do and fulfill everything indicated by the Agreement.
- 1.3 The Contractor shall **Substantially Perform** the Work as defined in GC8.02.04.04 by **August 28<sup>th</sup>, 2026**, and this shall be the first date used for the calculation of Liquidated Damages as per A-1.5.
- 1.4 The Contractor shall **Complete** the Work as defined in GC8.02.04.06 by **September 25<sup>th</sup>, 2026**, and this shall be the second date used for the calculation of Liquidated Damages as per A-1.5.
- 1.5 Pursuant to Section GC8.02.09 of the General Conditions of Contract, the Liquidated Damages shall be in the amount of:  
  
**One thousand five hundred DOLLARS (\$1,500.00)** per calendar day beyond the dates specified for Substantial Performance and Completion.

### ARTICLE A-2 AGREEMENTS AND AMENDMENTS

- 2.1 The Contract supersedes all prior negotiations, representations, or agreements, either written or oral, relating to the work, including the bidding documents that are not expressly listed in Article A-3 of the Agreement — CONTRACT DOCUMENTS.



**ARTICLE A-3 CONTRACT DOCUMENTS**

- 3.1 The following are the Contract Documents referred to in Article A-1 of the Agreement — THE WORK:
- Agreement Between Owner and Contractor
  - General Conditions of Contract
  - Information for Tenderers
  - Form of Tender
  - Special Provisions for Items
  - Ontario Provincial Standard Specifications
  - Addenda
  - Contract drawings

**ARTICLE A-4 CONTRACT PRICE**

- 4.1 The quantities shown in the Schedule of Contract Unit Prices are estimated. The Contract Price shall be the final sum of the products of the actual quantities that are incorporated in, OR made necessary by the Work, as confirmed by count and measurement, AND the appropriate Contract Unit Prices, together with any adjustments that are made in accordance with the provisions of the Contract Documents.
- 4.2 The Estimated Contract Price shall be the sum of the products of actual measured quantities and corresponding unit prices, as stated in the Form of Tender, including any adjustments per the Contract Documents.
- 4.3 Estimated Contract Price, excluding Harmonized Sales Tax is:  
 \$ \_\_\_\_\_ dollars and \_\_\_\_\_ cents.  
 (\$ \_\_\_\_\_).
- 4.4 Contingency including such additional amounts or sums for such extra or additional Work at the unit rates or the amounts, as the case may be stipulated in written orders of the Contract Administrator/Town Representative or Owner, authorizing the extra or additional Work.
- 4.5 Harmonized Sales Tax (13%) payable by the Owner to the Contractor is:  
 \$ \_\_\_\_\_ dollars and \_\_\_\_\_ cents.  
 (\$ \_\_\_\_\_).
- 4.6 Total amount payable by the Owner to the Contractor for the construction of the Work is:  
 \$ \_\_\_\_\_ dollars and \_\_\_\_\_ cents.  
 (\$ \_\_\_\_\_).
- 4.7 All amounts are in Canadian Funds and subject to adjustments under the Contract.

**ARTICLE A-5 PAYMENT**

- 5.1 The Owner shall pay the Contractor in Canadian funds for the performance of the Contract,



the amount being determined by actual measured quantities of the individual Work items contained in the Schedule of Contract Unit Prices, in the Form of Tender of this Agreement, and measured in accordance with the methods of measurement given in the Specifications.

- 5.2 Subject to the provisions of the Contract Documents, and in accordance with legislation and statutory regulations respecting holdback of Ten percent (10%), the Owner shall, in Canadian funds:
1. Make progress payments to the Contractor on account of the Work performed when due in the amount certified by the Owner including Harmonized Sales Tax, and
  2. Upon Substantial Performance of the Work, pay to the Contractor the unpaid balance of the holdback amount when due, including Harmonized Sales Tax, and
  3. Upon the issuance of the final certificate for payment, pay to the Contractor the unpaid balance when due, including Harmonized Sales Tax.
- 5.3 In the event of loss or damage occurring where payment becomes due under the property and boiler insurance policies, payments shall be made to the Contractor in accordance with the provisions of GC 6.03.
- 5.4 Interest:
1. Should either party fail to make payments as they become due under the terms of the Contract or in an award by arbitration or court, interest at one percent (1%) per annum above the bank rate on such unpaid amounts shall also become due and payable until payment. Such interest shall be compounded on a monthly basis. The bank rate shall be the rate established by the Bank of Canada as the minimum rate at which the Bank of Canada makes short term advances to the chartered banks.
  2. Interest shall apply at the rate and in the manner prescribed by GC 8.02.03.09 for late payments or GC 8.02.03.10 on the amount of any claim settled pursuant to GC 3.14.

## **ARTICLE A-6 RIGHTS AND REMEDIES**

- 6.1 The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights, and remedies otherwise imposed or available by law.
- 6.2 No action or failure to act by the Owner or Contractor shall constitute a waiver of any right or duty afforded any of them under the Contract, nor shall any such actions or failure to act constitute an approval of or acquiescence in any breach there under, except as may be specifically agreed in writing.

## **ARTICLE A-7 LAW OF THE CONTRACT**

- 7.1 The law of the place of Work shall govern the interpretation of the Contract.



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**ARTICLE A-8 RECEIPT OF AND ADDRESSES FOR NOTICES**

8.1 Notices in writing between the parties or between them and the Town Representative shall be considered to have been received by the addressee on the date of delivery if delivered to the individual, or to a member of the firm, or to an officer of the corporation for whom they are intended by hand or by registered post; or if sent by regular post, to have been delivered within five (5) Working Days of the date of mailing when addressed as follows:

The Owner at:

**127 Raglan Street South**

Name of Owner, Street, Postal Box Number (if applicable)

**Renfrew, ON K7V 1P8**

City, Province, Postal Code

The Contractor at:

---

Name of Contractor, Street, Postal Box Number (if applicable)

---

City, Province, Postal Code

**ARTICLE A-10 SUCCESSION**

The Contract Documents are to be read into and form part of this Agreement and the whole shall constitute the Contract between the parties, and subject to the law and the provisions of the Contract Documents shall inure to the benefit of and be binding upon the parties hereto, their respective heirs, legal representative, successors, and assigns.

**In witness whereof**, the parties hereto have executed this Agreement and by the hands of their duly authorized representatives.



# Renfrew

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SIGNED AND DELIVERED

In the presence of:

**OWNER**

**Town of Renfrew**

---

Name of Owner

---

Mayor

Signature

---

Clerk

Signature

**CONTRACTOR**

---

Name of Contractor

---

Name and Title of person signing

Signature

---

Name and Title of person signing

Signature

N.B.

- i. If the Contractor is a corporation, an authorized officer of the corporation shall sign the Agreement and shall affix the corporate seal.
- ii. If the Contractor is a partnership, a minimum of two partners shall sign the Agreement, and the signatures shall be witnessed.
- iii. If the Contractor is a sole proprietorship; the sole proprietorship shall sign the Agreement, and the signature shall be witnessed.



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## **SECTION D: SPECIAL PROVISIONS – GENERAL**



# Renfrew

**TOWN OF RENFREW**  
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- D.02 DEFINITION OF OWNER AND ENGINEER
- D.03 GENERAL CONDITIONS OF THE CONTRACT
- D.04 CONTRACT LIMITS
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- D.23 COMPLIANCE WITH REGULATIONS/BYLAWS FOR EROSION AND SEDIMENT CONTROL
- D.24 ACCEPTANCE OF SUBGRADE AND SUBBASE



## **D.01 SCOPE OF WORK**

The work described within these documents includes the construction of the following:

Rehabilitation of **Maloney Road** from Bruce Street (north intersection) to Bruce Street (south intersection). Works include pulverizing the existing road surface, paving with a single lift of asphalt, shouldering, close cut clearing and property reinstatement.

Rehabilitation of **Moore Street** from Bruce Street to dead end. Works include pulverizing the existing road surface, paving with two lifts of asphalt, structure adjustments, sewer lining, and property reinstatement.

Rehabilitation of **Grigg Avenue** from Raglan Street North to dead end. Works include milling the existing surface, resurfacing with a single lift of asphalt, structure adjustments, and property reinstatement.

Rehabilitation of **Raglan Street North** from Bruce Street to Grigg Avenue. Works include milling the existing surface, resurfacing with a single lift of asphalt, installing a concrete gutter, isolated sidewalk replacements, structure adjustments, and property reinstatement.

Rehabilitation of **Railway Avenue** from Plaunt Street South to dead end. Works include pulverizing the existing road surface, paving with a single lift of asphalt, structure adjustments, sidewalk removal and localized replacement, and property reinstatement.

Rehabilitation of **Renfrew Avenue West** from dead end to Carswell Street. Works include pulverizing the existing road surface, paving with a single lift of asphalt, structure adjustments, sidewalk and curb removal, and property reinstatement.

Rehabilitation of **Rousselle Street** from McAndrew Avenue to Baldwin Street. Works include pulverizing the existing road surface, paving with a single lift of asphalt, structure adjustments, localized sidewalk replacement, guiderail installation and property reinstatement.

## **D.02 DEFINITION OF OWNER AND ENGINEER**

Wherever the words “Town” or “Corporation” or “Owner” appear in this contract, it may be interpreted as meaning the “Corporation of the Town of Renfrew”.

## **D.03 GENERAL CONDITIONS OF THE CONTRACT**

The requirements of Ontario Provincial Standards for Roads and Public Works – General Conditions of Contract (OPSS.MUNI 100 – November 2024) shall apply to this contract. Ontario Provincial Standard Specifications (OPSS) and Ontario Provincial Standard Drawings (OPSD) form part of this contract.

## **D.04 CONTRACT LIMITS**

The Owner reserves the right to reduce or extend the limits of this contract, should the Owner determine it is necessary at their sole discretion and to coincide with the funds available.

Any change in the contract limits or extent of the work shall be considered as relating solely to quantities and payment for the work shall be made at the appropriate contract unit price. In the case of an extension



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of the contract limits, the Contractor will be eligible for a pro rata extension of time based on the value of the additional work when the contract unit prices are applied to the additional quantities.

The application of Subsection GC8.01.02 of the OPS General Conditions of Contract, shall be based on the adjusted tender quantities subsequent to the change in the contract limits.

## **D.05 CONTRACTOR'S SCHEDULE OF WORK**

The Contractor will submit, at the time of Award, the Contractor's Preliminary Schedule of Work. The Contractor's Preliminary Schedule of Work will provide for, at a minimum, a simple bar chart of activities of major headings of working items derived from the Form of Tender.

Within 14 days of Contract Award, the Contractor must prepare and update, as required, a Detailed Schedule of Work of the operations, indicating the critical path and controlling operations, the proposed methods of construction and sequence of work and the time the Contractor proposes to complete the various items of work within the time specified in the Contract Documents. If, during the implementation of the Works, the Contractor's schedule is materially affected by changes in the work, the Contractor shall submit an updated construction schedule, if requested by the Contract Administrator, within 7 days of the request. This updated schedule must show how the Contractor proposes to perform the balance of the Work, so as to complete the Work within the time specified in the Contract Documents.

## **D.06 PROJECT NOTIFICATION**

Prior to commencement of construction, the Contractor shall, in writing, notify the following authorities of the pending construction, duration, and expected traffic disruptions:

- School Boards
- Police Department
- Fire Department
- Ambulance Service
- Waste Management Company
- Residents and Businesses on all impacted roads within the project limits

A draft of the letter shall be sent to the Owner and Contract Administrator for review and approval prior to it being distributed.

The Contractor shall provide a written notice, approved by the Owner, to all affected resident and businesses a minimum of 48 hours in advance of any water shutdowns, sewer disruptions, road closures, vehicular and pedestrian access impacts.

The Contractor will provide access for municipal garbage and recycling pickup or will designate a pickup point for the collection of municipal household garbage and recycling. It is the Contractor's responsibility to provide access at the normal pickup times or pick up the garbage and recycling from the households and businesses and ferry to a central location for pick-up. The Contractor will then be required to return the emptied containers to their respective household or business. There will be no separate payment for the management of the recycling and garbage along the construction zone.



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A record of all notifications, including distribution list, must be provided to the Owner and the Contract Administrator within 24 hours of distribution.

There will be no separate payment for the project notifications regardless of the number or frequency.

## **D.07 HEALTH AND SAFETY REQUIREMENTS**

Prior to commencing the Work, the successful Bidder shall provide the Owner and Contract Administrator with a copy of its health and safety policy and program.

## **D.08 WORKING HOURS**

The Contractor shall comply with the Municipal by-laws regulating hours of work in the Municipality. The Municipality reserves the right to charge the Contractor any and all costs associated with work outside of the Municipality's standard working hours for those staff affected, which may differ from Municipal by-law regulated hours of work.

The Contractor shall not work on statutory holidays recognized by the Municipality (i.e. holidays that the Municipal employees do not work) unless special permission is granted by the Contract Administrator, which shall not be unreasonably withheld.

No Saturday or Sunday work will be permitted except with written permission of the Contract Administrator. The Municipality reserves the right to charge the Contractor any premium costs associated with the Contract Administrator's fees for field review during these days.

If the Contractor intends to undertake work on a Saturday or Sunday, the Contractor is required to inform the Contract Administrator in writing at least five (5) working days prior to the planned weekend. The Contract Administrator will make every effort to approve, or deny, this request in writing within 48 hours of receiving this request. If the Contractor does not receive an approval by this time, then the Contractor is to assume that the request has been denied. The Contractor is also reminded that construction activities must conform to the Municipal Noise By-Law current at the time of the work.

## **D.09 LAYOUT**

The Contractor is to complete layout for the project as per Subsection G.C. 7.0.2 (Monuments and Layout) of OPSS.MUNI 100. All horizontal layouts will be accompanied by vertical control published and provided to the Contract Administrator.

## **D.10 CONTRACTOR PROGRESS PAYMENTS**

Subsection GC 8.02.04.01 (Progress Payment) of OPSS.MUNI 100 is amended by the addition of the following:

A Proper Invoice shall include:

- a) the quantity of work performed this period, and the quantity of work performed to date;
- b) the value of work performed this period, and the value of the work performed to date.

The Contractor shall provide a duly filled STAT DEC "Statutory Declaration of Progress Payment



Distribution by Contractor” (form CCDC 9A – 2018) for second and subsequent progress payments as requested by the Contract Administrator.

## **D.11 RESTORATION**

Restoration beyond the Contract limits and not covered by the Topsoil, Sodding and Seeding items will be completed in accordance with OPSS.MUNI 492 Construction Specification for Site Restoration following Installation of Pipelines, Utilities and Associated Structures in Open Cut.

The following amendments apply to OPSS.MUNI 492:

**Section 492.07.03 Roadway Restoration** is amended with the addition of the following after the third paragraph “All asphalt roadway restoration beyond the contract limits must match the existing material depths but will not be less than the following minimum compacted depths:

Surface Course (Road) -	50 mm Surface Hot Mix Asphalt
	50 mm Base Hot Mix Asphalt
Base Course (Road and Shoulder) -	150 mm Granular 'A'
Sub-base Course (Road and Shoulder) -	450 mm Granular 'B' Type II, over Class 2 Non-Woven Geotextile

Dimensions as per the typical cross section.

**Section 492.07.07 Sodding and Seeding** is amended by replacing the first paragraph with the following: Landscaped and maintained lawns will be restored with nursery sod and other landscape areas will be restored with seeding and mulching.

A new **Section 492.07.10 Driveway Restoration** will be added as follows:

The restoration of driveways must be scheduled to follow closely behind trench backfilling. The driveway must be made and maintained safe for the passage of traffic after completion of backfilling and until permanent restoration takes place. Driveway restoration must be completed to match the existing alignment and elevation.

Gravel driveway restoration will consist of a minimum compacted depth of 150 mm of Granular 'A' in accordance with the requirements of OPSS.MUNI 314 Construction Specifications for Untreated Granular, Subbase, Base, Surface, Shoulder and Stockpiling.

Residential Asphalt driveway restoration will consist of a minimum compacted depth of 150mm of Granular 'A' base course in accordance with the requirements of OPSS.MUNI 314 and 50mm compacted depth of surface course asphalt surface in accordance with the requirements of OPSS.MUNI 310.

Commercial Asphalt driveway restoration will consist of a minimum compacted depth of 150mm of Granular 'A' base course in accordance with the requirements of OPSS.MUNI 314, and 50mm compacted depth of binder course asphalt and 50mm compacted depth of surface course asphalt surface in accordance with the requirements of OPSS.MUNI 310.



## **D.12 MATERIALS – SUPPLY OF MATERIALS**

Pursuant to Section GC 5.0 (Material) of the OPSS.MUNI 100, all materials required for this Contract are to be supplied by the Contractor. The source of supply and quality of all materials supplied by the Contractor must be approved by the Municipality prior to their use in the contract.

## **D.13 ADMINISTRATION OF PITS AND QUARRIES**

The Contractor shall ensure that all pits and quarries operated for extraction of aggregate, earth or rock borrow are operated in accordance with current legislation. On request the Contractor shall provide the Contract Administrator with a copy of all permits, approvals and agreements. The cost of complying with legislative requirements shall be deemed to be included in the prices bid for the various items and no additional payment will be made.

## **D.14 DUST CONTROL AND NOISE SUPPRESSION**

The Contractor shall take such steps as may be required to prevent dust nuisance resulting from the Contractor's operations either within the right-of-way or elsewhere or by public traffic where it is the Contractor's responsibility to maintain a roadway or access to properties within or through the work site.

Where the work requires the sawing of asphalt or the sawing or grinding of concrete, blades and grinders of the wet type shall be used together with sufficient water to prevent the incidence of dust, wherever dust would affect traffic or wherever dust would be a nuisance to residents of the area where the work is being carried out.

To control construction noise, the Contractor shall ensure that construction equipment is maintained in good operating condition so as to prevent unnecessary noise. This shall include, but not be restricted to, effective muffler systems, properly secured components, and lubrication of moving parts.

Idling of equipment shall be restricted to the minimum necessary to perform the specified work.

The cost of all such preventative measures shall be borne by the Contractor including reshaping the roadway and water for dust suppression.

The cost of such quantities of calcium chloride as authorized by the Contract Administrator to restrict dust to acceptable levels within the Contract limits, shall be paid for by the Owner at the contract price for the appropriate tender item for Calcium Chloride Solid, conforming to OPSS 506 Construction Specifications for Dust Suppressants.

If there is no item for calcium chloride in the Tender Form, calcium chloride shall be applied as directed by the Contract Administrator with the cost also borne by the Contractor.

## **D.15 CONTRACTOR'S REPRESENTATIVE**

The Contractor's site representative shall be a competent, English-speaking Supervisor, fully authorized to act for the Contractor and capable of coordinating the operation in an orderly and progressive manner.



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The Contractor's representative's primary role/responsibility will be coordinating and supervising the work. At no time shall the Contractor's representative operate equipment or perform labour work to install the works. The Supervisor or Supervisor Designate will be in attendance at all times at the core work activity site during core work activities. Failure to comply WILL result in a "Stop Work" order.

The Contractor's site representative shall maintain on the construction site at all times at least one complete set of Contract Drawings and Contract Documents including copies of all referenced OPSS and OPSP documents.

The site representative shall be capable of reading and interpreting the documentation and shall ensure that all work is in conformance with the Contract Documents and the Contract Drawings.

## **D.16 UTILITIES**

### Underground Utilities

It is the Contractor's responsibility to contact the Municipal Authorities or Utility Companies for further information in regard to the exact location of 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 responsible to obtain ALL infrastructure locates for their intended project.

Prior to construction, the Contractor shall excavate such test pits as may be required to accurately locate all existing sewers, watermains and other underground utilities which may cross or be in conflict with the proposed underground works within this Contract to permit the Contract Administrator to determine and implement any required adjustments due to grade conflicts. The Contractor shall have no claim against the Owner for any delays or costs to replace underground works already installed which may result from failure to accurately locate any underground facility as requested in advance.

No responsibilities will be assumed by the Owner for the correctness or completeness of the plans with respect to the existing utilities, pipes, catch basins, chambers, or other objects, either underground or on the surface, and should the plots of such be found incorrect or incomplete, the Contractor shall have no claim on this account. The Owner does not ensure the accuracy of such information, and the Contractor shall not make any claim against the Owner for damages or extra work caused or occasioned by his relying upon such records, reports or information either as a whole or in part.

### Overhead Utilities

The Contractor shall protect all utility poles and lines in accordance with the Utility company requirements. Payment for protection, temporary bracing, standby and associated work shall be deemed to be included in the contract price for the item associated with the protection requirement.

### Utility Access

In accordance with GC7.08 "Access to Properties Adjoining the Work & Interruption of Utility Services" and any other contract requirement, during the course of the work, the Contractor will ensure access to all in-service utility structures and plants (sewer maintenance holes, water valves, etc.) within the limit of contract to the satisfaction of the local authority by the end of each construction day. Failure to comply



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with this requirement will result in Contract Administrator taking whatever action is necessary to expose and grade ironworks immediately and deduct incurred expenses from monies owing to the Contractor.

### **D.17 ROAD AUTHORITY/MUNICIPAL SIGNS/BUSINESS SIGNS**

The Contractor must carefully remove and satisfactorily replace all route marker, business advertising, pedestrian and other identification and traffic signs which must be removed in order to carry out the work. The Contractor is to co-ordinate with the Contract Administrator to verify relocation points.

All legal traffic signs must be maintained. If they are to be moved, the local road authority must be consulted and approved.

All costs associated with the removal, protection and relocation of signs will be deemed to be included in the Contract price for the items associated with this requirement.

### **D.18 CONTROL OF VEHICULAR AND PEDESTRIAN TRAFFIC**

The Contractor shall provide the appropriate traffic control signage and/or appropriately attired flag persons, as required during the course of construction to comply with the safety requirements of latest edition of the M.T.O. publication "Book 7 – Ontario Traffic Manual Temporary Conditions".

When in accordance with Section G.C.7.0.6 of the OPSS General Conditions, it is the Contractor's responsibility to maintain a road throughout the work, the Contractor shall supply at his expense, all labour, equipment, and material to maintain the road in a satisfactory condition.

The Contractor shall be fully and solely responsible to ensure the development and implementation of a submitted/reviewed Traffic Control Plan (TCP) and Construction Site Pedestrian Control Plan (CSPCP) as required in SPI-TCP.

#### Vehicle Access to Entrances and Side Roads

The Contractor shall maintain through, or around, the working area a satisfactory condition for traffic, shall provide vehicle access for all existing entrances, private approaches, and side roads, and ensure that all driving surfaces are maintained and are operational, all to the satisfaction of the Contract Administrator. All vehicle access to existing entrances, private approaches, and side roads must be fully operational once the construction for the day is completed, unless the owner of the property has provided consent to allow the access to remain closed. All the costs associated with this work shall be borne by the Contractor.

Any temporary loss of access/egress necessary to complete the works must be identified in the Contractor's TCP and requires a minimum 48-hour prior notification to the business or resident(s). Such notification regarding the loss of access/egress is the sole responsibility of the Contractor.

**PLEASE NOTE: RAGLAN STREET NORTH, MOORE STREET and GRIGG STREET ARE USED AS PRIMARY ACCESS TO THE RENFREW VICTORIA HOSPITAL; ADDITIONAL CARE SHOULD GO INTO ENSURING MINIMAL TRAFFIC DISRUPTIONS IN THIS AREA DURING CONSTRUCTION.**



## **D.19 CONTRACTOR'S WORK AND STORAGE AREAS**

The Contractor shall make all necessary arrangements for his own work and storage areas at or near the site. Materials and/or equipment shall not be stored within 1m of the travelled portion of any roadway.

## **D.20 MATERIAL DESIGN AND TEST DOCUMENTATION**

The Contractor is responsible for all sampling, testing, reporting and costing of quality control (QC) work. The Contractor must supply the Contract Administrator with a report copy of all results within 24 hours of receipt by the Contractor.

All quality control testing must be completed in a CCIL certified laboratory for Marshall and Superpave Mix Compliance (Type B), Aggregate Quality Control (Type C), Aggregate Physical Property (Type D), Concrete (Category I), or AMRL certified or equivalent. Sampling or testing must be conducted by a technician certified to perform sampling or testing.

All testing requirements for the Quality Control testing must be deemed to be included in the associated unit price. No separate payment will be made for Quality Control Testing.

### **Hot Mix Asphalt Design Mixes**

For all Marshall mixes, the proposed mix design and Job-Mix Formula (JMF) shall be submitted to the Contract Administrator a minimum of 10 Business days prior to the start of paving operation. The proposed mix design and JMF shall be according to OPSS.MUNI 1150.

For all Superpave mixes, the proposed mix design and Job-Mix Formula (JMF) shall be submitted to the Contract Administrator a minimum of 10 Business days prior to the start of paving operation. The proposed mix design and JMF shall be according to OPSS.MUNI 1151.

For all hot mix asphalt mixes, the proposed mix designs are only valid for the calendar year in which they were prepared.

### **Concrete Design Mixes**

For all concrete mixes, the proposed mix design shall be submitted to the Contract Administrator a minimum of 14 Business days prior to placing any concrete. The proposed mix design shall be according to OPSS.MUNI 1350, and shall include form OPSF 1350-1, and physical properties analysis of each aggregate material incorporated to the concrete.

For all concrete mixes, the proposed mix designs are only valid for the calendar year in which they were prepared.

The following lists the minimum required tests and frequencies for this Contract:

### **Concrete Testing**

For all concrete, quality control testing consisting of slump, air content, and temperature determinations must be carried out on each load or batch of concrete until satisfactory control is established. Satisfactory



control must be established each day, when concrete from 3 consecutive loads or batches is within the specified requirements. After satisfactory control has been established, testing must be carried out on every subsequent third load.

One set of 4 cylinders must be cast for every 20m<sup>3</sup> of concrete placed, with a minimum of one set cast per day. One test cylinder must be tested for 7-day compressive strength, two test cylinders must be tested for 28-day compressive strength. The final cylinder will be tested at 56 days if required by the Contract Administrator.

### **Physical Property Testing**

- One test for each aggregate material incorporated into the work, including those used for: Granular A, B or M; hot, cold, or warm mix paving; surface treatments, chip seals or concrete.
- If aggregates are from multiple sources, a test is required from each source.

### **Gradation Testing**

- Granular A, B and M; and Select Subgrade Material (SSM) shall have a minimum of one test for each 1000 tonnes of placement.
- If aggregates are from multiple sources, a test is required from each source.

### **Standard Moisture Density Relationship Testing**

- Granular A, B and M; and Select Subgrade Material (SSM) shall have a minimum of one test for each 5000 tonnes of placement.
- If aggregates are from multiple sources, a test is required from each source.

### **Asphalt Cement Content and Grading Testing**

- Asphalt mixes shall have one test for each 500 tonnes of placement with a minimum of 1 per day per asphalt mix.

### **Asphalt Full Compliance Testing**

- Asphalt mixes shall have a minimum of one test for each 1,000 tonnes of placement per asphalt mix (Marshall properties or Superpave properties).

### **Compaction Testing**

- Asphalt mixes shall be tested for each 200m<sup>2</sup> of placement. Asphalt mixes may be tested with a nuclear density test gauge.
- Native backfill must be compacted to 95% MDD and Granular Materials must be compacted to 100% MDD in accordance with OPSS.MUNI 501 method A, and with the frequencies established in OPSS.MUNI 501 Table 1.

### **Topsoil Testing**

If requested by the Contract Administrator, the topsoil must be tested for the physical quality requirements listed in OPSS.MUNI 802, and with the frequencies established in OPSS.MUNI 802 Table 1.



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## **Referee Testing**

All costs associated with referee testing will be the responsibility of the Contractor.

Asphalt referee testing will be conducted and will include asphalt full compliance testing. Where the Contract Administrator and the Contractor agree that specific mix attributes do not require referee testing, those attributes will be considered acceptable. The Contractor will be reimbursed for the cost of the testing provided the mix is acceptable as per the requirements of OPSS.MUNI 310. Where referee testing indicates rejectable asphalt, the Contractor must remove and replace the asphalt.

## **D.21 QUALITY ASSURANCE (QA)**

At the discretion of the Contract Administrator, a geotechnical consultant may perform Quality Assurance (QA) including sampling, testing and reporting with the costs being borne by the Owner.

All quality assurance testing must be completed in a CCIL certified laboratory for Marshall and Superpave Mix Compliance (Type B), Aggregate Quality Control (Type C), Aggregate Physical Property (Type D), Concrete (Category I), or AMRL certified or equivalent. Sampling or testing must be conducted by a technician certified to perform sampling or testing.

## **D.22 MANAGEMENT AND DISPOSAL OF EXCESS SOIL**

Section 180.01 (Scope) of OPSS.MUNI 180 General Specification for the Management of Excess Materials is amended by the addition of the following:

This project meets an exemption listed in Schedule 2 of the Ontario Regulation 406/19 On-Site and Excess Soil Management, made under the Environmental Protection Act based on the fact that this project is related to maintaining infrastructure in a fit state of repair. Furthermore, due to the project meeting this exemption, the sampling, reports, and planning requirements listed in O.Reg. 406/19 are not applicable. Subsection 180.04.01 (Submission Requirements) of OPSS.MUNI 180 is amended by the addition of the following:

The following forms are to be completed and filed with the Contract Administrator as applicable:

- OPSF 180-4 – Subject Waste Classification
- OPSF 180-5 – Waste Quantity Report
- OPSF 180-6 – Excess Soil Quantity Report

The Contractor shall prepare and submit to the Contract Administrator all hauling records in accordance with Ontario Regulation 406/19 On-Site and Excess Soil Management, made under the Environmental Protection Act.

Subsection 180.04.01.08 (Excess Soil Reuse Plan) of OPSS.MUNI 180 is amended by the deleted in its entirety and replaced by the following:

The preparation and submission of an Excess Soil Reuse Plan by the Contractor is not required for this project.



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Section 180.07.03 (Conditions on Management of Disposable Fill) of OPSS.MUNI 180 is amended by the addition of the following:

All excess soil generated by the Contractor's operation shall be hauled, placed, and leveled as disposable fill at the Town of Renfrew's gravel pit located at 480 Bruce Street, Renfrew, Ontario or at a Town owned site within Town of Renfrew limits.

Material other than clean fill will be accepted at the Renfrew Landfill Site located at 376 Bruce Street, stockpiled at a position determined by the Town of Renfrew Landfill Operating Authority. Asphalt materials will be accepted at the site provided that 100% of the asphalt material passes a 26.5 mm sieve and that the maximum particle size is 26.5 mm. Concrete materials will be accepted at the site provided that 100% of the concrete material passes a 50 mm sieve and that the maximum particle size is 50 mm. Otherwise all asphalt and concrete materials shall be disposed of off-site by the Contractor in accordance with OPSS 180.

Section 180.07.10 (Conditions on Management of Rock) of OPSS.MUNI 180 is added as follows:

All naturally occurring rock that is greater than 2 millimeters in size is not managed through O.Reg. 406/19. All fractured rock shall become the sole responsibility of the Contractor to dispose of. Section 180.07.10 (Conditions on Management of Topsoil) of OPSS.MUNI 180 is added as follows:  
Excess topsoil that will be used as topsoil at a reuse site is not managed through O.Reg. 406/19.

All excavated materials will become the sole ownership and responsibility of the General Contractor. The Town of Renfrew currently does not have designated facilities or locations for the disposal of clean fill materials.

## **D.23 COMPLIANCE WITH REGULATIONS FOR EROSION AND SEDIMENT CONTROL**

The Contractor acknowledges that surface erosion and sediment runoff resulting from his construction operations may have a detrimental impact on any downstream watercourse or sewer, and that all construction operations that may impact upon water quality shall be carried out in a manner that strictly meets the requirements of all applicable legislation and regulations on Application of Erosion and Sediment Control on Construction Projects.

The Contractor shall consider control measures such as limiting the amount of exposed soils, using filter cloths in catch basins or other open structures, sedimentation traps or other such methods they deem appropriate in order to minimize the negative impacts their construction activities will have on the area drainage systems and ultimately the receiving water course.

Whatever system of controls the Contractor utilizes on the project, it is necessary for them to monitor the effectiveness of the measures regularly and maintain, clean, repair, replace or undertake any additional measures in order to achieve the desired results.

The contractors acknowledges that failure to implement appropriate erosion and sediment control measures may be subject to penalties imposed by any applicable Regulatory Agency.



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The cost of fulfilling this work shall be paid for under the appropriate tender item.

## **D.24 ACCEPTANCE OF SUBGRADE AND SUBBASE**

The Contractor is to satisfy themselves as to the adequacy of the existing subgrade and/or subbase prior to applying granulars and/or surface materials. At the request of the Contractor, the Town will provide copies of any available test results for the Contractor's review prior to placing the materials required under this Contract.

If the Contractor has specific concerns regarding the condition of the subgrade or subbase, or the prevailing conditions within the project limits that may affect the performance or warranty requirements stipulated in this Contract, the Contractor must inform the Town, by written letter of the concerns. The letter will identify the specific concern, how it may affect the results of the project and any recommended remedial works, which in the opinion of the Contractor is required to rectify these concerns. The letter must be received 72 (seventy-two) hours before the scheduled commencement of work.

The Town will provide a written response to the Contractor's concern's, within 48 hours. The Town reserves the right to amend the contract requirements or work program to address the stated concerns, or to proceed with the work in accordance with the original contract documents.



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## **SECTION E: STANDARD SPECIFICATIONS AND STANDARD DRAWINGS**



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## Standard Detail Drawings

The Contractor acknowledges that certain standard detail drawings, which are provisions of this Contract, have not been reproduced for inclusion in the Contract Documents. These standard drawings are listed in subsection E.1 and/or referenced by the Contract Documents. Some of the standard detail drawings may be shown on the Contract Drawings.

The Contractor acknowledges that the standard drawings referred to in subsections M are the Ontario Provincial Standard Drawings (OPSD).

Only the municipal and provincial common standards on OPS Volumes 1 to 4 and the municipal-oriented specifications in OPS Volumes 7 and 8 apply to this Contract, unless specified otherwise in the Contract Documents.

The Contractor shall obtain its own copy of the standard detail drawings from the Standard Tender Documents Vol. #2: Material Specifications and Standard Detail Drawings. Drawing revision date shall be the most recent up to and including April 2023.

### E.01 Ontario Provincial Standard Drawings (OPSD)

The Ontario Provincial Standard Drawings (OPSD) which are provisions of this Contract include, but are not limited to:

DRAWING No.	DESCRIPTION	DRAWING No.	DESCRIPTION
OPSD 600.030 Nov. 12	Concrete Mountable Curb with Wide Gutter	OPSD 912.101 Nov. 2010	Guide Rail System, Steel Beam Rail Component

## Standard Specifications

The Contractor acknowledges that certain standard specifications, which are provisions of this Contract, have not been reproduced for inclusion in the Contract Documents. These standard specifications are listed in subsection E.02 and SECTION F: SPECIAL PROVISIONS – ITEM SPECIFIC and in the Schedule of Prices.

The Contractor acknowledges that the standard specifications referred to in subsection E.02.1 and in the Schedule of Prices are the Ontario Provincial Standard Specifications (OPSS) as produced and amended by the government of the Province of Ontario. Only the municipal and provincial common standards on OPS Volumes 1 to 4 and the municipal-oriented specifications in OPS volumes 7 and 8 apply to this Contract, unless specified otherwise in the Contract Documents.

### E.02 Ontario Provincial Standard Specifications (OPSS)

The Ontario Provincial Standard Specifications (OPSS) which are provisions of this Contract include, but not limited to:

OPSS	Rev. Date	Description
102.MUNI	Nov. 18	Weighing of Materials



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127.PROV	July.25	Schedule of Rental Rates for Construction Equipment, Including Model and Specification Reference
180.MUNI	Apr. 25	Management of Excess Material
201.MUNI	Apr. 29	Clearing, Close Cut Clearing, Grubbing, and Removal of Surface and Piled Boulders
206.MUNI	Apr. 25	Grading
305.MUNI	Nov. 16	Granular Sealing
310.MUNI	Nov. 17	Hot Mix Asphalt
311.MUNI	Nov. 18	Asphalt Sidewalk, Driveway, Boulevard, and Sidewalk Resurfacing
314.MUNI	Nov. 23	Untreated Granular Subbase, Base, Surface, Shoulder, and Stockpiling
330.MUNI	Nov. 14	In-Place Full-Depth Reclamation of Bituminous Pavement and Underlying Granular
351.MUNI	Nov. 21	Concrete Sidewalk
353.MUNI	Nov. 21	Concrete Curb and Gutter System
355.MUNI	Nov. 20	Installation of Interlocking Concrete Pavers
408.MUNI	Nov. 21	Adjusting or Rebuilding Maintenance Holes, Catch Basins, Ditch Inlets and Valve Chambers
501.MUNI	Nov. 17	Compacting
506.MUNI	Nov. 17	Dust Suppressants
510.MUNI	Nov. 18	Removal
721.MUNI	Apr. 24	Steel Beam Guide Rail Systems
802.MUNI	Nov. 19	Topsoil
803.MUNI	Apr. 18	Sodding
1010.MUNI	Apr. 25	Aggregates – Base, Subbase, Select Subgrade, Granular Surface, Shouldering, Bedding, and Backfill Material



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## **SECTION F: SPECIAL PROVISIONS – ITEM SPECIFIC**



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## **SITWORK – SPI-100-3**

### **Scope of Work**

Payment at the Contract Lump Sum Price for the Item “Sitework” shall be full compensation for all labour, materials, and equipment required to complete the work as outlined herein.

The following work, activities, and cost shall be included under this Item:

- Bonds, administration, and supervisory costs.
- Mobilization and demobilization of equipment, material, and Contractor’s forces.
- Schedules.
- Site preparation for work.
- Costs of all necessary approvals and permits as applicable.
- Cost of constructing lay down area in location acceptable to Owner.
- All costs associated with locates, protection or temporary relocation and reinstallation of utilities, as applicable and not specified in other areas of the Contract.
- Installation and removal of temporary barricades, hoarding, snow fencing, and other protection required.
- Layout of Work.
- Contractor’s office.
- Cost of supplying and maintaining adequate sanitary facilities.
- Costs associated with the submission of shop drawings, rebar schedules, product submissions, etc.
- Costs associated with access to private properties as required and obtaining written release from the affected property owners. Copy to be submitted to Contract Administrator.
- Cost of maintaining and reinstating existing road signs, mailboxes, etc.
- Cost of advertising Substantial Completion in the Daily Commercial News.
- Cost of reinstating the Contractor’s lay down area and office sites to their original conditions.
- All costs of any incidental work not specifically mentioned in the Contract Documents but required by virtue of the work.
- All costs associated with environmental protection or species at risk mitigation measures except as specifically mentioned for other Items of work.
- The Town of Renfrew will undertake normal winter maintenance within the Contract area. The Contractor will be required to undertake any additional winter sanding, salting, and snow removal to allow passage of Contractor’s own vehicles, affected residents, Hydro, and business operators within stretch of roadway on which the construction zone is located, either between Contract Limits during staged construction or between points of road closure for the detour option. Contractor to fully, solely, and unequivocally establish the amount of effort and costs required. Winter sanding, salting, and snow removal will be fully executed by Contractor at all times, including also times when the site is temporarily abandoned during winter, should occurrences as such happen. Snow removals to be carried out to minimum standard of cleanliness and responsiveness as attained by Town of Renfrew maintenance snow removal crews.



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- Quality Control testing and reporting.
- Submission of required reports, releases, and documentation for the release of holdback.
- The dust control by watering.
- Careful removal and reinstallation of mailboxes, municipal address/number markings, Highway Signs and commercial and information signs within limits of roadway reconstruction. This work needs to be coordinated with Contractor's own traffic management plan. Following completion of work all existing signs need to be reinstalled in new locations as necessary for compliance with Ontario Traffic Manual (OTM) and Traffic Highway Act.
- Protection of private properties and fences. All fences to remain and are not to be disturbed. All fences disturbed to be repaired to match original by Contractor at own cost.
- All work is to be carried within right of way without encroachment onto private properties.
- Advise Contract Administrator, where construction of work is to interfere with private property and seek direction prior to the work being undertaken.

The Contractor shall submit an up-to-date detailed Work Schedule to the Contract Administrator at the Pre-Construction Meeting.

The Detailed Work Schedule shall be in a bar chart form at indicating the following items against a weekly time scale:

- Dates and time periods of all major construction activities.
- Dates of critical activities (long delivery items, traffic shifts, protection measures, etc.).
- Dates of important milestones.

The Contractor is advised that no additional payment will be made for repeated mobilization and demobilization for any of the construction activities covered by this Contract, interrupted by weather, or by any other construction activity within this Contract.

### **Basis of Payment**

Payment for this Item shall be full compensation for all labour, materials and equipment required to carry out the work. A 30% portion shall be paid in first progress payment. Remainder will be prorated over the scheduled duration of the Contract per the approved schedule.

Contractor shall bear all immediate, subsequent and consequential costs associated with change in the schedule, staging, and methodology of the work, unless Contract Administrator requested such change.

### **PAYMENT ADJUSTMENTS FOR CHANGES IN THE FUEL PRICE INDEX - SPI-100-4**

The Owner will adjust the payment to the Contractor based on changes to the Ministry of Transportation's fuel price index. The price index will be calculated by the Ministry of Energy, and will be based on the rack price, including taxes, of diesel fuel. The price index will be published monthly in the Contract Bulletin for each calendar month and will reflect the previous month's prices. The Contractor must use this index when calculating flow through to truckers, subcontractors, and shippers/suppliers.



A payment adjustment will be calculated monthly and applied to the monthly progress payment, excluding any payments for Extra Work, Additional Work, or Changes in the Work.

It is agreed by the parties to the contract that it is impracticable and difficult to ascertain actual fuel consumed on the contract, and the parties hereto agree that for the purpose of calculating the total fuel price adjustments, the amount of fuel consumed will be determined using the rates in Table I. The payment provided for the items listed in Table I shall be deemed to be for all work.

<b>TABLE I</b>	
<b>Item Description</b>	<b>Diesel Fuel Consumption Rates</b>
Clearing	237 l/HA
Grubbing	163 l/HA
Earth Excavation	1.7 l/m <sup>3</sup>
Rock Excavation	2.2 l/m <sup>3</sup>
Rock Face	1.2 l/m <sup>2</sup>
SSM	1.0 l/t
Granulars	1.9 l/t
All asphalt pavement except DFC	11.5 l/t
DFC Pavement	14.3 l/t
Concrete Pavement	4.9 l/m <sup>2</sup>
Structural Concrete	5.5 l/m <sup>3</sup>
Tall Wall (any barrier wall including asymmetric)	3.2 l/m
Milling by m <sup>2</sup> items	0.4 l/m <sup>2</sup>
Milling by tonne items	3.0 l/t
Pulverize	0.2 l/m <sup>2</sup>
Concrete removal	1.0 l/m <sup>3</sup>
Asphalt removal	0.4 l/m <sup>2</sup>
Piling & Caissons	5.0 l/m
Sewers & Drainage	8.0 l/m



Payments provided under this special provision, (Payment Adjustment for Changes in the Fuel Price Index), will be used to compensate all trucks, sub-contractors, and shippers/suppliers performing any contract work or delivering material for the contract including items not listed in Table I.

The compensation provided through this provision must also be used for the purpose of providing fuel price adjustment compensation to suppliers and shippers. Should the Contractor be required by a supplier to negotiate and provide fuel price adjustment compensation to any party providing materials to the contract, the Owner will not provide any compensation for this purpose in addition to that provided through this special provision.

### **Fuel Price Adjustment Calculation**

- a) The Contractor payment adjustment for each month will be calculated using the following formula:

$$Cfpa = (Ctem) \times (I - Bc) / 100$$

Where:

Cfpa = fuel price adjustment paid to Contractor or Owner, in dollars

Ctem = total estimated monthly fuel consumption

I = progress payment month fuel price index

(for the month that the work was completed in)

Bc = fuel price index in the prior month that the Contract was tendered

- b) The progress payment month fuel index will be published the first Friday of every month in the Contract Bulletin.
- c) The total monthly fuel consumption will be calculated by multiplying the consumption rates in Table I by the work accomplished in the current month for each applicable item and totaling the volume in litres.
- d) Only tender item quantities or work done at the tender item price will be included in the calculation.

### **Payment Certificate Documentation**

- a) When (progress payment month fuel price index – tendered prior month fuel price index) is positive the Contractor will receive a payment.
- b) When (progress payment month fuel price index – tendered prior month fuel price index) is negative the owner will receive a credit.
- c) The Contractor will show the fuel price adjustment as a line item on each progress payment certificate and the final payment certificate. The item will be called fuel price adjustment.



## **Fuel Price Adjustment Flow Through**

- a) The Contractor agrees to adjust the payment to each trucker hired directly by the Contractor for execution of part of the Work in accordance with the following formula:

$$Tfpa = (Tmpp) \times (I - Bt) / Bt \times 0.17$$

Where:

Tfpa = fuel price adjustment paid to trucker, in dollars

Tmpp = monthly payment to trucker, in dollars

Bt = fuel price index in the month that the contract with the trucker was entered into either verbally or in writing

I = progress payment month fuel price index

(for the month that the work was completed in)

The fuel price adjustment paid to each trucker (Tfpa) will be calculated for each calendar month and may be positive or negative.

- b) The Contractor agrees to adjust the payment to each Subcontractor in accordance with the following formula:

$$Sfpa = (Smpp) \times (I - Bs) / Bs \times Fn / 100$$

Where:

Sfpa = fuel price adjustment paid to the Subcontractor, in dollars

Smpp = monthly progress payment to the Subcontractor, in dollars

Bs = fuel price index in the month that the contract with the Subcontractor was entered into either verbally or in writing

I = progress payment month fuel price index

(for the month that the work was completed in)

Fn = fuel consumption factor as negotiated between the Contractor and the Subcontractor as a percentage of the value of the subcontract

- c) The Contractor shall report the negotiated fuel consumption factor (Fn) to the Owner on a form, which lists all subcontracts, and the corresponding negotiated fuel consumption factor. The form shall be updated monthly or as changes and additions arise.
- d) The Contractor also agrees that each subcontract will contain a requirement that the Subcontractor will make a fuel price adjustment to each trucker hired directly by the Subcontractor for execution of



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part of the work in accordance with the same formula and conditions used by the Contractor to make fuel price adjustments to truckers.

## **WEIGH PERSON FOR WEIGHING OF MATERIALS – SPI-102-1**

### **Amendments to OPSS.MUNI 102**

OPSS.MUNI 102 shall apply except as may be amended and extended herein.

#### **102.07 CONSTRUCTION – WEIGHING**

##### **102.07.01 Mass Measurements**

Subsection 102.07.01 is deleted in its entirety and replaced by the following:

Mass measurements will be made by a weigh person supplied by the Contractor except where the weigh scales to be used are equipped with an automatic printing device capable of producing tickets conforming to the Owner's requirements.

## **GRADING AT SHOULDERS – SPI-206-32**

### **Amendments to OPSS.MUNI 206**

OPSS.MUNI 206 shall apply except as may be amended and extended herein.

#### **206.07 CONSTRUCTION**

Section 206.07 is amended by the addition of the following:

##### **206.07.03.09 Earth Excavation – Grading**

The ground elevation may need to be graded to allow for proper finish shoulder cross fall. No extra payment will be made for grading at the guidepost systems.

#### **206.10 BASIS FOR PAYMENT**

Section 206.10 is amended by the addition of the following:

##### **206.10.01 Earth Excavation – Grading – Item**

There is no separate payment for this requirement. Payment for all labour, equipment, and material required to do the work shall be considered to be included in the contract price for the applicable items requiring shoulder grading.



## **GRANULAR SEALING, EDGE OF PAVEMENT - SPI-305-3**

### **Amendments to OPSS.MUNI 305**

OPSS.MUNI 305 shall apply except as may be amended and extended herein.

#### **305.05 MATERIALS**

Subsection 305.05 is removed and replaced by the following:

Sealers may consist of the following materials:

- a) Type I-a: RC-30 and MTO primer according to OPSS 1102

#### **305.07 CONSTRUCTION**

##### **305.07.03 Application**

Subsection 305.07.03 is amended by the addition of the following:

The area to be sealed is from the edge of pavement to 300mm past the edge of the road platform.

Sealer applied to an adjacent pavement surface shall be overlapped 100mm onto the pavement surface.

## **HOT MIX ASPHALT – LIQUID ASPHALT CEMENT PRICE INDEX – SPI-310-5**

### **Amendments to OPSS.MUNI 310 and OPSS 1150**

OPSS.MUNI 310 and OPSS 1150 shall apply except as may be amended and extended herein.

#### **Asphalt Cement**

The Town of Renfrew will adjust the payment to the Contractor based on changes to the Ministry of Transportation's performance graded asphalt cement price index. The price index will be published monthly in the MTO Contract Bulletin and displayed on the MTO web site: <http://raqs.merx.com/public/bulletin/bulletin.jsf>. The price index will be used to calculate the amount of the payment adjustment per tonne of new asphalt cement accepted into the work.

A payment adjustment per tonne of new asphalt cement will be established for the month in which paving is placed when the price index for the month differs from the price index for the prior month in which the tender was opened. Payment adjustments due to changes in the price index are independent of any other payment adjustments made to the hot mix tender items.

The payment adjustment per tonne will apply to the quantity of new asphalt cement in the hot mix accepted into the work during the month for which it is established. The quantity of asphalt cement used



on the project shall be determined from the Quality Assurance test results conducted by the Town of Renfrew. If End Result Specifications (ERS) are used, these results will be used to determine the quantity used. Otherwise, the Contract Administrator shall determine the amount used. The payment adjustment for the month will be calculated by the following means:

1. **When AC Prices are Rising:** the payment adjustment to be paid to the Contractor is the result of subtracting the price index for the prior month in which the tender was opened from the price index in effect when paving took place multiplied by the number of tonnes of AC incorporated in the mix(es) as determined by the Contract Administrator.
2. **When AC Prices are Falling:** the payment adjustment made in favour of the Owner is the result of subtracting the price index for the prior month in which the tender was opened from the price index when the tender was awarded multiplied by the number of tonnes of AC incorporated in the mix(es) as determined by the Contract Administrator.
3. On completion of the Contract, an adjustment shall be made on the final payment certificate to adjust for the Liquid Asphalt Cement price variation. The adjustment shall be either positive or negative. Should the Contract span multiple years, this adjustment shall be made at the end of the calendar year(s) and again upon completion of the Contract.

**Example 1 – AC Prices Increasing:**

- 3,000 tonnes of HL3 @ 5.20% AC (156.0 tonnes AC)
- Tender opened May 15, 2000
- Price Index for month of April 2000 - \$290/tonne
- Hot Mix Paving placed on August 17-24, 2000
- Price Index for month of August 2000 - \$325/tonne
- Payment adjustment to be paid to the Contractor:  
 $(\$325 - \$290) \times 156 \text{ tonnes AC} = \$35 \times 156 \text{ tonnes AC} = \$5,460.00$

**Example 2 – AC Prices Decreasing:**

- 4,500 tonnes of HL8 @ 4.6% AC (207.0 tonnes AC)
- Tender opened May 15, 2000
- Price Index for month of April 2000 - \$290/tonne
- Hot Mix paving placed on October 1-8, 2000
- Price Index for month of October 2000 - \$245/tonne
- Payment adjustment for hot mix items reduced by:  
 $(\$290 - \$245) \times 207 \text{ tonnes of AC} = \$45 \times 207 \text{ tonnes AC} = \$9,315.00$

Payment at the Contract Price shall be full compensation for all labour, equipment, material, sampling, design, testing, and associated work necessary to supply and place the material as specified. The above adjustment is solely to compensate for market variations in the price of liquid asphalt cement.



## **HOT MIX ASPHALT – MIX DESIGNS AND QUALITY CONTROL – SPI-310-10**

### **Amendments to OPSS.MUNI 310**

OPSS.MUNI 310 shall apply except as may be amended and extended herein.

#### **310.04 SUBMISSION AND DESIGN REQUIREMENTS**

Section 310.04 is amended by the addition of the following:

##### **310.04.01 Submissions**

The successful Tenderer will submit a mix design and aggregate test results at the award of the Tender. The mix design must have been produced in the previous twelve (12) months prior to submission. The mix design must conform to the requirements as listed in OPSS 1150. The physical property test results of the aggregates must meet the requirements as listed in OPSS.MUNI 1003.

The Contractor will submit a copy of the Contractor's Quality Control Plan to the Contract Administrator for review a minimum of two (2) weeks prior to paving. The Quality Control Plan must include such quality control procedures, including sampling and testing, as is necessary to ensure that all hot mix aggregates and all hot mix asphalt to be used in the work conform to the requirements of the Contract. The Contractor shall determine the type and amount of quality control sampling and testing to be completed so as to ensure the contract requirements are met.

The Contractor shall be responsible for the interpretation of the test results and the determination of any action to be taken to ensure that all materials and work conform to the requirements of the Contract.

The Quality Control Plan will identify the names and responsibilities of the Contractor's representatives and will identify the certified laboratory that will be responsible for the quality control testing.

##### **310.04.02 Quality Control Plan**

The Quality Control Plan will address the following:

1. Quality control and quality assurance material sampling, preparation, handling, delivery, and storage;
2. Quality control testing and the timing for the testing; and
3. Timing for the submission of results for all quality control testing.

The Contractor shall through the Quality Control Plan ensure:

1. Each of the following complies with and is supplied in accordance with the Contract Documents:
  - (a) materials from approved/designated sources;
  - (b) the mix design submission, including all supporting documentation;



- (c) materials from sources identified in the accepted mix design submission; and
  - (d) submission of certification for all materials that require certification.
2. Each of the following is performed in accordance with the Contract Documents:
- (a) the mix design;
  - (b) materials testing and/or inspection prior to incorporation into the work, and checking that materials meet the accepted mix designs;
  - (c) materials handling and/or storage; and
  - (d) addition and/or mixing of materials identified in the accepted mix design.
3. That no materials are used that are identified as deficient prior to incorporation into the work. The Contractor shall ensure that no materials are used that would have been identified as deficient prior to incorporation into the work if quality control test results had been available when specified.

### **310.04.03 Assessment of Compliance**

The Contract Administrator's assessment of compliance may consist of random or milestone inspections, continuous inspection, sampling, and testing for quality assurance purposes, audits of the quality control documentation specified in the Contract Documents or any combination of the preceding actions at the discretion of the Town.

### **310.04.04 Payment**

#### Quality Control Activities

Full compensation for carrying out quality control activities and for meeting the requirements of this Special Provision shall be included in the Contract Price for each of the appropriate Tender Items.

### **MATERIAL TRANSFER VEHICLE – SPI-310-12**

#### **Amendments to OPSS.MUNI 310**

OPSS.MUNI 310 shall apply except as may amended and extended herein.

### **310.07 CONSTRUCTION**

Section 310.07 is amended by the addition of the following;

#### **310.07.16 Material Transfer Vehicle**

The Contractor shall perform placement of asphalt with the use of a material transfer vehicle (MTV).



A self-propelled material transfer vehicle is to be used to transfer hot mix asphalt from trucks to the asphalt spreader.

### **ASPHALT REPAIRS – SPI-310-13**

#### **Amendments to OPSS.MUNI 310**

OPSS.MUNI 310 shall apply except as may amended and extended herein.

#### **310.07 CONSTRUCTION**

Section 310.07 is amended by the addition of the following;

##### **310.07.18 Asphalt Repairs**

Any asphalt deficiencies that are deemed rejectable are to be removed and replaced a minimum of one lane width. Replacement asphalt must be placed with the use of a mechanical self-propelled paver.

### **PERFORMANCE GRADED ASPHALT CEMENT - QUALITY ASSURANCE – SPI-310-15**

#### **Amendments to OPSS.MUNI 310**

OPSS.MUNI 310 shall apply except as may be amended and extended herein.

#### **310.08.01 General**

Section 310.08 is amended by the addition of the following to the end of the second paragraph:

The Performance Graded Asphalt Cement (PGAC) shall meet the additional requirements shown in Table 1 of OPSS.MUNI 1101. The Corporation may be performing Quality Assurance testing of the PGAC.

### **GRASS/GRAVEL REINSTATEMENT – CURB AND SIDEWALK – SPI-311-5**

#### **Amendments to OPSS 311**

OPSS 311 shall apply except as may be amended and extended herein.

#### **311.01 SCOPE**

The work shall include removing the grass and/or gravel behind the existing curb and sidewalk at a minimum width of 0.5m. The existing grass and/or gravel is to be removed and reinstated. New topsoil or granular A will need to be added, graded and compacted behind the new curb or sidewalk. Sod shall be applied to the topsoil. The supply of granular A, topsoil and sod is to be included in the price.



The existing roadway asphalt shall be saw cut at a minimum width of 150mm from the face of the curb and removed. The void shall be filled with hot mix HL3 or equivalent asphalt flush to the new curb face.

### **311.09 MEASUREMENT FOR PAYMENT**

Section 311.09 is completely deleted.

### **311.10 BASIS OF PAYMENT**

Subsections 311.10.01 and 311.10.02 are deleted and replaced by the following:

Payment at the Contract Price for the Tender Item “Monolithic Concrete Sidewalk 125mm Thickness” shall be full compensation for all labour, equipment and material required to do the work, including granular, topsoil and sod.

### **GRANULAR ENTRANCE MATERIAL – SPI 314-15**

#### **Amendments to OPSS.MUNI 314**

OPSS.MUNI 314 shall apply except as may be amended and extended herein.

### **314.07 CONSTRUCTION**

Subsection 314.07.01 is amended with the addition of the following:

#### **314.07.01 Granular Sub-Base, Base, and Surface**

Existing granular entrances that require additional granular shall have the new material be similar in type.

### **GRANULAR SHOULDER MATERIAL – SPI-314-19**

#### **Amendments to OPSS.MUNI 314**

OPSS.MUNI 314 shall apply except as may be amended and extended herein.

### **314.07 CONSTRUCTION**

Subsection 314.07.01 is amended with the addition of the following:

#### **314.07.01 Granular Sub-Base, Base, and Surface**

Dolomite material shall not be used as shoulder material.

### **EXISTING ASPHALT TO BE RECLAIMED – SPI-330-1**

#### **Amendments to OPSS.MUNI 330**



OPSS.MUNI 330 shall apply except as may be amended and extended herein.

## **330.07 CONSTRUCTION**

### **330.07.03 Reclamation of Bituminous Pavement and Underlying Granular**

Subsection 330.07.03 is amended by the addition of the following:

The existing asphalt to be pulverized varies in depth from 100mm to 150mm. The full depth of reclamation will be 200mm.

Pulverized material to be graded to match the existing platform width.

All processed material is to be evenly graded out to the proposed platform width and compacted. The slope of the processed material is to match the proposed cross section grades. Surplus processed material is to be used as earth fill for road widening.

## **CONCRETE SIDEWALK - SPI-351-1**

OPSS.MUNI 351 Construction Specification for Concrete Sidewalk is amended as follows:

### **351.04 DESIGN AND SUBMISSION REQUIREMENTS**

#### **351.04.02 Submission Requirements**

Subsection 351.04.02 of OPSS 351 is amended with the addition of the following:

Certification such as Municipal Exterior Flatwork Certification, or ACI Flatwork Certification, or approved equivalent. Where ACI Flatwork Certification means the certification issued by the American Concrete Institute, after demonstrating knowledge and the ability to place, consolidate, finish, edge, joint, cure and protect concrete flatwork. And where Municipal Exterior Flatwork Certification means the certification issued by Ready Mixed Concrete Association of Ontario (RMCAO), after demonstrating knowledge to place, consolidate, finish, edge, joint, cure and protect concrete flatwork.

### **351.07 CONSTRUCTION**

#### **351.07.05 Form Setting**

Subsection 351.07.05 of OPSS 351 is amended with the addition of the following:

Sidewalk thickness to be 150mm thick but increased to 200mm thick (c/w reinforcing mesh 150x150mm MW9.1xMW9.1) at commercial and trail entrances. The reinforcing mesh must be installed at mid depth of the concrete and must extend beyond the width of the entrance by 1.0m.

#### **351.07.11 Joints**

Subsection 351.07.11 of OPSS 351 is amended by the addition of the following:

In accordance with CSA A23.1, all joints that are to be sawn shall be sawed using a wet diamond blade 8 to 24 hours after concrete placement, as soon as the concrete surface has hardened sufficiently to resist



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travelling while cutting. All joints that are to be sawn shall be cut to a depth that is at least  $\frac{1}{4}$  of the thickness of the sidewalk.

### **351.07.11.02 Dummy Joints**

Subsection 351.07.11.02 of OPSS 351 is amended by the addition of the following:

Dummy joints are to be utilized and shall be hand formed using a 5mm radius dummy joint tool.

### **351.07.20 Management of Excess Material**

Subsection 351.07.20 of OPSS 351 is amended by the addition of the following:

Backfilling of both sides of the sidewalk flush with the finished surface with a minimum of 300mm width of granular "A" must take place once the formwork is completed. Should the Contract document require the placement of topsoil and sod or seeding on the boulevards, then the requirements for the granular "A" backfill will be omitted.

### **351.09 MEASUREMENT FOR PAYMENT**

#### **351.09.01.01 Concrete Sidewalk**

Subsection 351.09.01.01 of OPSS 351 is deleted in its entirety and replaced with the following:

Measurement of concrete sidewalk/walkways and/or concrete steps shall be by area in square metres. For steps, the area will be computed using the sum of the area of the risers and the area of the steps.

### **351.10 BASIS OF PAYMENT**

#### **351.10.01 Concrete Sidewalk – Item**

Subsection 351.10.01 of OPSS 351 is amended with the addition of the following:

Payment for the supply, placing and compaction of the Granular 'A' base and backfill is deemed to be included with the payment for the sidewalk item.

### **CONCRETE CURB - SPI-353-1**

OPSS.MUNI 353 Construction Specification for Concrete Curb and Gutter Systems is amended as follows:

### **353.04 DESIGN AND SUBMISSION REQUIREMENTS**

#### **353.04.01 Submission Requirements**

Subsection 353.04.01 of OPSS 353 is amended with the addition of the following:

Certification such as Municipal Exterior Flatwork Certification, or ACI Flatwork Certification, or approved equivalent. Where ACI Flatwork Certification means the certification issued by the American Concrete Institute, after demonstrating knowledge and the ability to place, consolidate, finish, edge, joint, cure and protect concrete flatwork. And where Municipal Exterior Flatwork Certification means the certification issued by Ready Mixed Concrete Association of Ontario (RMCAO), after demonstrating knowledge to place, consolidate, finish, edge, joint, cure and protect concrete flatwork.



## **353.05 MATERIALS**

### **353.05.01 Concrete**

Subsection 353.05.01 of OPSS 353 is amended with the addition of the following:

The air content of concrete placed by slipform methods must not be less than 4.5% when tested in place in a plastic state.

## **353.07 CONSTRUCTION**

### **353.07.07 Joints**

Subsection 353.07.07 of OPSS 353 is amended with the addition of the following:

In accordance with CSA A23.1, all joints that are to be sawn shall be sawed using a wet diamond blade 8 to 24 hours after concrete placement, as soon as the concrete surface has hardened sufficiently to resist ravelling while cutting.

### **353.07.08 Concrete**

#### **353.07.08.02 Concrete Finishing**

Subsection 353.07.08.02 of OPSS 353 is amended with the addition of the following: The dropped curb flare length on either side of entrances is to be 1 metre long.

## **REMOVE & REINSTATE INTERLOCKING/PATIO STONE DRIVEWAYS & WALKWAYS– SPI-355-1**

OPSS.MUNI 355 Construction Specification for the Installation of Interlocking Concrete Pavers is amended as follows:

**Section 355.01 Scope** is amended with the by replacing the first line with the following:

This specification covers the requirements for the removal and reinstatement of interlocking paving stone entrances and walkways.

**Section 355.10 Basis of Payment** is amended with the addition of the following:

The unit price tendered for this item will include but is not limited to the following:

- i) The removal of the existing unit pavers and storage during construction period.
- ii) All excavation (OPSS 206) to allow for replacement of the paver, 150mm Granular 'A' and 40mm of bedding sand.
- iii) Reinstallation of the existing unit pavers and/or replacement with new equivalent pavers to match existing.
- iv) 150mm depth of Granular 'A' and 40mm depth of bedding sand.
- v) Polymeric sand will be used to chink the paving stone joints.
- vi) An edge restraint system as approved by the Contract Administrator. The Contractor must provide shop drawings to the Contract Administrator two weeks prior to the paving stonework.



## **ADJUSTING VALVE CHAMBERS, MAINTENANCE HOLES, CB'S AND DITCH INLETS – SPI-408-1**

OPSS.MUNI 408 Construction Specification for Adjusting, or Rebuilding Maintenance Holes, Catch Basins, Ditch Inlets and Valve Chambers is amended as follows:

### **408.07 CONSTRUCTION**

**Subsection 408.07.01 (General)** is amended by the deleting the first paragraph and addition of the following:

This specification covers the requirements for adjusting any **new** or **existing** structures, including maintenance holes, catch basins, ditch inlets and valve chambers.

Where adjustment or rebuilding of structures occur in flexible pavement, a concrete ring poured in-situ 300mm wide and 150mm thick extending on its upper surface to within 75mm of the proposed finished asphalt surface shall be constructed.

**Subsection 408.07.08 (Adjusting)** is amended by the deleting the first paragraph and the addition of the following:

All existing brickwork, existing mortar, and existing adjustment units shall be removed from the top of the existing structure and replaced with new adjustment units. Stones, steel, wood or bricks shall not be accepted materials adjustment.

For valve chambers, sanitary maintenance holes, storm maintenance holes, catch basins, and ditch inlets, the outside face of the adjustment units shall be wrapped in a Petrolatum Wrap Tape or a waterproofing membrane, from the structure to the from, to ensure a watertight seal.

For all adjustment units on new structures, the units shall be fully and uniformly supported on top of the walls of the structure. This will result in the inside faces of all adjustment units to be plumb with no overhang. The maximum allowable total lateral deviation of structures cover/grates from the centreline of the opening in the adjustment units shall be 75mm in one direction. To achieve this tolerance, the contractor shall be responsible to layout the proposed gutter line and establish a stringline to verify that when the cover/grate is installed on the opening of the new structure, the 75mm tolerance referred to above will be met. If this tolerance is not met, the structure will need to be relocated at no additional cost to the owner.

**Subsection 408.07.08.01 (Precast Concrete Adjustment Unit)** is amended by the addition of the following:

Only Precast concrete adjustment units will be permitted. Precast concrete adjustment units must be used for adjustments greater than 25mm. LePage PL Premium adhesive shall be applied as per manufacturer recommendations to fuse all concrete adjustment units to the final precast maintenance hole section. Two continuous Parallel beads minimum 9mm (3/8") in diameter shall be applied between all parts.

**Subsection 408.07.13 (Installation of Frames with Grates or Covers)** is added as follows:

If required, shims of HDPE plastic, approximately 47mmx47mm, colour coded for varying thickness of 1.5mm to 25.2mm and set in a full bed of mortar shall be used to adjust the final 25mm to the required finished grade.



**Subsection 408.07.14 (Tolerances)** is added as follows:

Valve chambers, maintenance holes and catchbasin frames shall be adjusted to 5mm below finished grade. If the top of structure has settled by more than 10mm of finish grade as measured in any direction with a 3.0m straight edge, at no cost to the Owner, the Contractor shall re-adjust and restore the structure and surrounding area to meet this tolerance.

### **ADJUST WATER VALVES, GAS VALVES - SPI-408-3**

#### **Amendments to OPSS 408**

OPSS 408 shall apply except as may be amended and extended herein.

#### **408.07                      CONSTRUCTION** **408.07.01                General**

Subsection 408.07.01 is amended with the addition of the following:

The Contractor shall be responsible for requesting the Local Municipality’s Public Works Department and gas utility company to locate all main valves and hydrant valves within the Contract Limits. The Contractor shall protect the valves from damage throughout the construction and adjust the valve boxes to the final surface grade.

#### **408.09                      MEASUREMENT FOR PAYMENT**

Subsection 408.09.01 is amended with the addition of the following:

#### **408.09.01.03            Adjust Water Valves and Gas Valves**

For measurement purposes, a count shall be made of the number of valves adjusted.

#### **408.10                      BASIS OF PAYMENT**

Subsection 408.10.01 is amended with the addition of the following:

**“Adjust Water Valves, Gas Valves – Item”**

### **PARGING OF EXISTING MAINTENANCE HOLE/CATCH BASIN PIPE CONNECTIONS - SPI-408-5**

#### **Amendments to OPSS 408**

OPSS 408 shall be amended by the addition of the following:

#### **408.07                      CONSTRUCTION** **408.07.13                Parging of Existing Maintenance Hole/Catch Basin Pipe Connections**



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The existing maintenance holes/catch basins, as described on the contract drawings shall have the existing pipe connections parged.

**408.09 MEASUREMENT FOR PAYMENT**

**408.09.01.03 Parging of Existing Maintenance Hole/Catch Basin Pipe Connections**

For measurement purposes, a count shall be made of the number of pipe connections parged.

**408.10 BASIS OF PAYMENT**

**408.10.01 Parging of Existing Maintenance Hole/Catch Basin Pipe Connections**

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

**ADJUSTING LAMP HOLES INCLUDING FRAME AND COVER– SPI-408-99**

OPSS.MUNI 408 Construction Specification for Adjusting, or Rebuilding Maintenance Holes, Catch Basins, Ditch Inlets and Valve Chambers is amended as follows:

**408.07 CONSTRUCTION**

**Subsection 408.07.01 (General)** is amended by the deleting the first paragraph and addition of the following:

This specification covers the requirements for adjusting any **existing** lamp holes. All existing lamp holes frames and covers are to be left in place and new sanitary manhole frames and covers shall be supplied and installed unless noted otherwise within the Contract Documents.

**Subsection 408.07.08 (Adjusting)** is amended by the deleting the first paragraph and the addition of the following:

Existing material around the lamp hole shall be removed to allow for the placement of a minimum of 150mm of Granular Type A and a minimum of 300mm of adjustment units between the finished grade and the bottom of Granular Type A. Stones, steel, wood or bricks shall not be accepted materials for adjustment.

The outside face of the adjustment units shall be wrapped in a Petrolatum Wrap Tape or a waterproofing membrane, from the structure to the from, to ensure a watertight seal.

Adjustment units shall be fully and uniformly supported on a bed of 150mm of Granular Type A. This will result in the inside faces of all adjustment units to be plumb with no overhang. The maximum allowable total lateral deviation of structures cover/grates from the centreline of the opening in the adjustment units shall be 75mm in one direction.



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**Subsection 408.07.08.01 (Precast Concrete Adjustment Unit)** is amended by the addition of the following:

Only Precast concrete adjustment units will be permitted. Precast concrete adjustment units must be used for adjustments greater than 25mm. LePage PL Premium adhesive shall be applied as per manufacturer recommendations to fuse all concrete adjustment units together. Two continuous Parallel beads minimum 9mm (3/8") in diameter shall be applied between all parts.

**Subsection 408.07.13 (Installation of Frames with Grates or Covers)** is added as follows:

If required, shims of HDPE plastic, approximately 47mmx47mm, colour coded for varying thickness of 1.5mm to 25.2mm and set in a full bed of mortar shall be used to adjust the final 25mm to the required finished grade.

**Subsection 408.07.14 (Tolerances)** is added as follows:

Frames shall be adjusted to 5mm below finished grade. If the top of structure has settled by more than 10mm of finish grade as measured in any direction with a 3.0m straight edge, at no cost to the Owner, the Contractor shall re-adjust and restore the structure and surrounding area to meet this tolerance.

## **REMOVAL OF ASPHALT PAVEMENT – PARTIAL DEPTH - SPI-510-1**

OPSS.MUNI 510 Construction Specification for Removal is amended as follows:

### **510.07 CONSTRUCTION**

Subsection 510.07.06.04 (Removal of Asphalt Pavement, Partial Depth) of OPSS.MUNI 510 is amended with the addition of the following:

The intent is to mill the surface to accept a 50mm lift of top asphalt. The depth of removal may vary across the road surface. Generally, the finished cross slope shall be 3%, however for localized areas, a cross slope between 1.5% to 3.5% will be accepted. The portion depth asphalt removal will only be permitted to occur once the entirety of the underground works have been completed to ensure that the milled surface will not be damaged by construction hauling activities.

Subsection 510.07.10 (Management of Excess Material) of OPSS.MUNI 510 is amended with the addition of the following:

All removed asphalt shall become the sole responsibility of the Contractor to dispose of.

### **510.09 MEASUREMENT FOR PAYMENT**

Subsection 510.09.01.16 (Cutting Existing Pavement) of OPSS.MUNI 510 is deleted and replaced with the following:

Cutting asphalt is deemed to be included with the removal of asphalt.

### **510.10 BASIS OF PAYMENT**

Subsection 510.10.01 of OPSS.MUNI 510 is amended to delete the reference to the "Cutting Existing Pavement – Item".



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**REMOVAL OF CONCRETE SIDEWALK – SPI-510-2**

OPSS.MUNI 510 Construction Specification for Removal is amended as follows:

**510.07 CONSTRUCTION**

Subsection 510.07.08.03 (removal of Concrete Sidewalk) is amended with the addition of the following:

If tactile walking surface indicator (TWSI) plates are located within the removal of sidewalk limits, they shall be included in the unit price to complete the work.

Subsection 510.07.10 (Management of Excess Material) of OPSS.MUNI 510 is amended with the addition of the following:

All removed concrete sidewalks shall become the sole responsibility of the Contractor to dispose of.

**DISPOSAL OF REMOVAL ITEM - SPI-510-22**

**Amendments to OPSS.MUNI 510**

OPSS.MUNI 510 shall apply except as amended and extended herein:

**510.07 CONSTRUCTION**

**510.07.01 General**

Subsection 510.07.01 is amended by the addition of the following:

All removals are to be disposed of off-site.

**RELOCATION OF MAILBOX INCL. NEW 4"x4" OR CEDAR POST - SPI-599-1**

**1.0 SCOPE**

This special provision covers the requirements for the supply of labour, equipment and material for the relocation of the existing mailboxes along the construction project. The work will consist of the removal of the existing mailboxes with the posts, while retaining the existing mailboxes from each residence so that they can be reinstalled on new posts matching the post type that was removed. The relocated mailboxes are to be installed after the completion of the new asphalt and shoulders to a position in agreement with Canada Post Guidelines.

**2.0 MATERIALS**

Cedar posts and 4" x 4" wooden posts as per OPSS 1601 are to be used to replace the existing mailbox posts.



### **3.0 CONSTRUCTION**

This work is to be completed while maintaining uninterrupted Canada Post delivery services to the residences effected. The work is to be completed to the satisfaction of the homeowner and the Contract Administrator for acceptance.

### **4.0 MEASUREMENT FOR PAYMENT**

Measurement shall be made by each.

### **5.0 BASIS OF PAYMENT**

Payment at the Contract price will be in full for all labour, equipment and materials to do the work including restoration.

### **SOD INCLUDING TOPSOIL – SPI-803-1**

#### **Amendments to OPSS.MUNI 803**

OPSS 803 shall apply except as may be amended and extended herein.

#### **803.05 MATERIALS**

Section 803.05 is amended by the addition of the following:

##### **803.05.05 Topsoil, Imported**

Topsoil shall be as per OPSS.MUNI 802.

#### **803.07 CONSTRUCTION**

Section 803.07 is amended by the addition of the following:

##### **803.07.07 Topsoil, Imported**

Topsoil shall be placed in locations that require sodding. The topsoil will be applied at a depth of 100 mm.

#### **803.09 BASIS FOR PAYMENT**

Clause 803.09.01.01 is deleted in its entirety and replaced with the following:

##### **803.09.01.01 Sod Including Topsoil**

Measurement for sod including topsoil shall be by area in square metres following the contours of the ground.



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## **803.10 MEASUREMENT FOR PAYMENT**

Subsection 803.10.01 is deleted in its entirety and replaced with the following:

### **803.10.01 Sod Including Topsoil – Item**

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

### **GRANULAR MATERIAL TESTING - SPI-1010-1**

#### **Amendments to OPSS.MUNI 1010**

OPSS.MUNI 1010 shall apply except as may be amended and extended herein.

## **1010.04 SUBMISSION AND DESIGN REQUIREMENTS**

Section 1010.04 is amended by the addition of the following:

### **1010.04.01 Testing**

The Contractor shall submit test results for all granular material to be used a minimum of two (2) weeks prior to placing the material. All testing is to conform to the requirements of OPSS.MUNI 1010.

The Contractor will submit the gradation test results and the physical property test results for all aggregate materials incorporated into the work, including those used for the production of hot mix paving, surface treatment, or concrete.



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## **SECTION G: CONTRACT DRAWINGS**

(UNDER SEPARATE COVER)