

202320 Request for Tender  
Army Camp Road – Asphalt Shoulder



THE MUNICIPALITY OF  
**LAMBTON SHORES**

## **2023 Capital Program**

**202320 – Request for Tender**

**Army Camp Road – Asphalt Shoulder**

**Closing date: April 6, 2023 at 11:00am**

202320 Request for Tender  
Army Camp Road – Asphalt Shoulder

## INFORMATION TO BIDDERS DOWNLOADING THIS DOCUMENT

Bidders downloading this document from the Municipality of Lambton Shores website must register with the Public Works Department to be added to the Bidders list. Interested Bidders are required to complete the information below and return this form via email to: [rmoser@lambtonshores.ca](mailto:rmoser@lambtonshores.ca)

Bidders who do not register may not receive any additional information or addendums relating to this project.

### Bidder Registration Form

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Project Name: \_\_\_\_\_ 202320 Army Camp Road – Asphalt Shoulder \_\_\_\_\_

Return by email to: [rmoser@lambtonshores.ca](mailto:rmoser@lambtonshores.ca)

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**CONTRACT DOCUMENTS: INDEX**

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- 3. Form of Agreement**
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**MUNICIPALITY OF LAMBTON SHORES**

**2023 CAPITAL PROGRAM**

**ARMY CAMP ROAD – ASPHALT SHOULDER**

**SECTION 1**

**INFORMATION TO BIDDERS**

**1.1 LOCATION AND SCOPE OF WORK**

The work is located on Army Camp Road in the community of Ipperwash. The scope of work involves the preparation and install of a new asphalt shoulder. Specific instructions and a list of locations are included in Section 5 “Special Provisions – Specifications”.

It is the responsibility of the contractor to review all areas listed and satisfy themselves with existing conditions prior to submission of tender documents.

**1.2 SUBMISSION OF TENDER**

Sealed Tenders plainly marked “2023 CAPITAL PROGRAM –ARMY CAMP ROAD ASPHALT SHOULDER” will be received at the Lambton Shores Community Services Office, 9575 Port Franks Road, Thedford ON, N0M 2N0 until **11:00 am** local time

**April 6, 2023**

**1.3 TENDERS**

Submitted Tenders shall include the following:

- 1) completed Form of Tender
- 2) completed Schedule of Sub-Contractors
- 3) Tender Deposit

**1.4 LIST OF SUB-CONTRACTORS**

A list of all Sub-Contractors proposed to be used by the Bidder to complete the work shall be included with the Tender. See Section GC3.10 of the **General Conditions (OPS)**.

### **1.5 TENDER DEPOSIT**

Each Tender shall be accompanied by a certified cheque or bid bond in the amount of **\$13,500** made payable to the Municipality of Lambton Shores.

Failure of the accepted bidder to execute the contract within the required time shall result in the forfeit of the deposit. The Tender deposit of the lowest and second lowest accepted bidders shall be returned upon the execution of the Form of Agreement and deposit of the necessary security and documents by the accepted low bidder.

The deposit of the other bidders shall be returned after the Tenders have been checked to determine the lowest and second lowest accepted bidders.

### **1.6 ACCEPTANCE OR REJECTION OF TENDERS AND APPROVALS**

The Tender must be legible and all items must be bid. Tenders which are incomplete, unbalanced, conditional, obscure, or which contain erasures or alterations not properly initialed, or irregularities of any kind, may be rejected as informal or void.

Quotations may be rejected for one or more of the following reasons:

- a) Bids arriving after the closing time and date as specified in this document
- b) Bids received in a form other than the quotation form supplied
- c) Bids not completed in ink or by type
- d) Bids containing any other form of alteration, including but not limited to include; strike-out, white-out, etc.
- e) Bids not properly signed, witnessed, and/or sealed
- f) Bidders not having acknowledged all issued addenda

Tenders shall remain open for acceptance by the Municipality for a period of ninety (90) calendar days after the closing date.

Bidders are advised that the Municipality has a fixed budget for the completion of this contract. To ensure budget control, the Municipality states explicitly that it reserves the right to delete Areas of work during its consideration of the bid submissions, prior to the award of the contract. Contractor's submitting for consideration of this contract are doing so with the explicit understanding that the municipality has the right to delete areas of work.

### **1.7 EXECUTION OF CONTRACT**

The successful Bidder shall be required to execute the Form of Agreement and submit the required bonding, a WSIB Certificate and Certificate of Insurance within seven (7) days of the date of notification of the acceptance of the Tender by the Municipality.

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The successful Bidder shall provide a Certificate of Coverage from the WSIB at the time of execution of the Contract and upon completion of the work before final payment is made.

### **1.8 WORKPLACE SAFETY AND INSURANCE CERTIFICATE (WSIB)**

The successful Bidder shall provide a Certificate of Coverage from the Workplace Safety and Insurance Board at the time of execution of the Contract and upon completion of the work before final payment is made.

### **1.9 CERTIFICATE OF INSURANCE**

At the time of execution of the Contract the successful Bidder shall submit a certified copy of a comprehensive policy of public liability and property damage insurance in the minimum amount of \$5,000,000.00 naming the Municipality as an additional insured.

Specific details of the insurance requirements are given in Section GC6 of the General Conditions (OPS).

### **1.10 BIDDER'S INVESTIGATIONS**

The Bidder is referred to Section GC7.01 of the General Conditions (OPS) concerning required investigations prior to submitting a Tender.

### **1.11 QUANTITIES**

Quantities provided are estimates only. Reference should be made to Section GC8.01 of the General Conditions (OPS) for information concerning variations in actual quantities.

### **1.12 SALES TAXES**

Tender prices shall include all applicable taxes.

### **1.13 MAINTENANCE PERIOD**

Upon written Notice of Acceptance of the work, the 12 month maintenance period will begin. A 5% maintenance holdback will be applied to this project, and held until successful completion of the maintenance period.

### **1.14 LIQUIDATED DAMAGES**

The Bidder is referred to Section 4.6 "GC8.02.09 Liquidated Damages" where the damages are set at \$200.00 per day.

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### **1.15 SCHEDULING OF WORK**

The Municipality reserves the right to stage the work. The Contractor shall submit a schedule after the Contract has been awarded showing all aspects of the work from mobilization to final restoration. **The project shall be completed no later than September 15, 2023.** Once work has began the contractor is required to work continuously until complete.

### **1.16 ACCESSIBILITY**

#### AODA Requirements

The Vendor shall ensure that any information, products, deliverables and/or communication (as defined in the Integrated Regulation) produced pursuant to the Contract shall be in conformity with World Wide Web Consortium Web Content Accessibility Guidelines (WCAG) 2.0 Level AA and shall be provided in accessible Word, Excel, PowerPoint, PDF, etc.

In accordance with Ontario Regulation 191/11 (Integrated Accessibility Standards Regulation), the vendor is responsible to ensure that all of its employees and volunteers are adequately trained. The Municipality may request training logs from the vendor.

All finished construction must be AODA compliant.



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**MUNICIPALITY OF LAMBTON SHORES**

**2023 CAPITAL PROGRAM**

**ARMY CAMP ROAD – ASPHALT SHOULDER**

**SECTION 2: FORM OF TENDER**

**To:** The Mayor and Council, Municipality of Lambton Shores, hereinafter called  
“Municipality”.

**TENDER FOR: 2023 CAPITAL PROGRAM – ARMY CAMP ROAD ASPHALT  
SHOULDER**

Name of Firm or Individual Submitting the Tender:

\_\_\_\_\_

Address: \_\_\_\_\_

Name of Person Signing for Firm: \_\_\_\_\_

Position of Person Signing for Firm: \_\_\_\_\_

Telephone: \_\_\_\_\_

Facsimile: \_\_\_\_\_

**I/We**, the undersigned, having carefully examined the site of the proposed work, and having read, understood, and accepted the Provisions, Drawings, Specifications and Conditions listed herein, each and all of which form part of this Tender, hereby offer to furnish all machinery, tools, labor, apparatus, plant and other means of construction; all materials, except as otherwise specified in the Contract; and to complete the work in strict accordance with the Provisions, Drawings, Specifications and Conditions listed herein for the price of (including HST):

\$ \_\_\_\_\_ (words)

\$ \_\_\_\_\_ (figures)

Total HST \$ \_\_\_\_\_

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Total (must equal price bid): \$ \_\_\_\_\_

The estimated cost all areas: \$ \_\_\_\_\_

Should additions to or reductions from the dimensions or quantities shown on the Plans be made, additions to or deletions from the above price shall be as shown on the attached Schedule of Unit Prices, subject to the General Conditions related hereto.

Attached to this Tender is a certified cheque or bid bond in the amount of **\$13,500.00** made payable to the **MUNICIPALITY OF LAMBTON SHORES**, the proceeds of which shall, upon acceptance by the Municipality of the Tender, constitute a deposit which shall be forfeited to the Municipality if I/we fail to file with the Municipality the Certificate of Insurance, Bonds, and an executed Form of Agreement for the performance of the work within seven (7) days from the date of notification of the acceptance of the Tender by the Municipality.

I/We hereby agree that notification of acceptance of this Tender shall be in writing, and may be sent by prepaid post, and if sent by prepaid post, acceptance shall be deemed to have been made on the date of mailing of such notification.

I/We hereby agree that the work specified in the Tender will be performed in strict accordance with the attached Schedule of Provisions, Drawings, Specifications, and Conditions. I/We hereby agree that the Sub-Contractors listed on the attached Schedule of Sub-Contractors are the only Sub-Contractors proposed to be used on this work and that changes will be made only with the approval of the Municipality in accordance with **Section GC3.1 of the OPSS General Conditions.**

I/We hereby agree that the project shall be complete no later than **September 15, 2023.**

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**SCHEDULE OF ITEMS AND PRICES**

Bidders are advised that the Municipality has a fixed budget for the completion of this contract. To ensure budget control, the Municipality states explicitly that it reserves the right to delete Areas of work during its consideration of the bid submission, prior to the award of the contract. Contractor's submitting for consideration of this contract are doing so with the explicit understanding that the municipality has the right to delete areas of work, and by affixing his or her seal/signature to this bid document the Contractor is agreeing that the Municipality shall retain this right to delete work areas from the contract during its review of bid submissions, and prior to award of the contract.

Refer to **SECTION 4** and **SECTION 5** for detailed contract specifications.

Traffic Control to be completed per Book 7 of the OTM.

Item	Description	Qty./Unit	Price	Amount
1.	Mobilize & Demobilize	1	LS	\$ _____
2.	Traffic Control	1	LS	\$ _____
3.	Longitudinal lap joint (450mm wide and 50 mm thick)	1,500	m	\$ _____/ m
4.	Supply & apply Tack Coat to all lap joints	675	m <sup>2</sup>	\$ _____/ m <sup>2</sup>
5.	Prepare, grade, and compact existing gravel shoulder for placement of asphalt shoulder (1.55m wide). Include any material removals required for grade.	2,325	m <sup>2</sup>	\$ _____/ m <sup>2</sup>
6.	<i>PROVISIONAL – Remove and dispose existing base material to a depth of 150mm if deemed unsuitable by municipality.</i>	500	m <sup>2</sup>	\$ _____/ m <sup>2</sup>
7.	<i>PROVISIONAL – Grade and compact subbase following removal of unsuitable material</i>	500	m <sup>2</sup>	\$ _____/ m <sup>2</sup>
8.	<i>PROVISIONAL – Supply, place, grade, and compact 150mm Granular 'A' prior to placement of asphalt shoulder</i>	500	m <sup>2</sup>	\$ _____/ m <sup>2</sup>
9.	Supply, compact, and install 50mm of HL3 Asphalt 2.0m wide.	360	tonne	\$ _____/ tonne
10.	Install 100mm wide white edge line to delineate shoulder from adjacent lane.	1,500	m	\$ _____/ m
11.	Restoration	1	LS	\$ _____
			<b>SUB – TOTAL</b>	\$ _____

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Item	Description	Qty./Unit	Price	Amount
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HST (13%) \$ \_\_\_\_\_

**TOTAL TENDER** \$ \_\_\_\_\_

**SCHEDULE OF SUB-CONTRACTORS**

<b>COMPANY NAME</b>	<b>CONTACT</b>
1.	
2.	
3.	
4.	
5.	

Signed at the \_\_\_\_\_ of \_\_\_\_\_

In the County of \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 2023.

**CONTRACTOR SIGNATURE**

\_\_\_\_\_  
Name

\_\_\_\_\_  
Position Held

I/WE have authority to bind the corporation:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**WITNESS SIGNATURE**

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**BIDS NOT SIGNED OR WITNESSED CORRECTLY WILL BE REJECTED**

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**MUNICIPALITY OF LAMBTON SHORES**

**2023 CAPITAL PROGRAM**

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**SECTION 3: FORM OF AGREEMENT**

**THIS AGREEMENT** made in triplicate this \_\_\_\_\_ day of \_\_\_\_\_

**BETWEEN:** \_\_\_\_\_ of  
\_\_\_\_\_ in the  
County of \_\_\_\_\_ and Province of Ontario  
(hereinafter called “The Contractor”)

**THE PARTY OF THE FIRST PARTY**

and **THE MUNICIPALITY OF LAMBTON SHORES**  
hereinafter called the “Municipality”

**THE PARTY OF THE SECOND PART**

**WITNESSETH**, that the Contractor, for and in consideration of the payment or payments specified in the Tender for this work, hereby agrees to furnish all necessary machinery, tools, equipment, supplies, labour, and other means of construction; and, to the satisfaction of the Engineer, to do all the work as described hereafter, furnish all materials except as herein otherwise specified, and to complete such work in strict accordance with the Plans, Specifications, and Tender therefore, which are identified and acknowledged in the Schedule of Provisions, Drawings, Specifications and Conditions attached to the Tender and all of which are to be read herewith and form part of this present Agreement as fully and completely to all intents and purposes as though all the stipulations thereof have been embodied herein.

**DESCRIPTION OF WORK**

Supply all labour, equipment, and materials as necessary to install an asphalt shoulder on Army Camp Road in the Municipality of Lambton Shores per the tender document. The work will include but not exclusive to grading, asphaltting, site restoration and all things necessary to complete this contract.

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The Contractor further agrees that they will deliver the whole of the works completed in accordance with this Agreement and that the project will and be completed no later than September 15, 2023.

The Contractor agrees that any monies due to the Municipality as a result of non-completion of the works within the time stipulated may be deducted from any monies due the Contractor on any account whatsoever.

IN CONSIDERATION WHEREOF, the Municipality agrees to pay the Contractor for all work done in the sum of:

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\_\_\_\_\_ (\$ \_\_\_\_\_ ) \_\_\_\_\_

Subject to such additions and deductions as may be properly made under the terms hereof.

This Agreement shall be to the benefit of me and be binding upon the heirs, executors, administrators and assigns of the parties hereto.

IN WITNESS WHEREOF, the Contractor and the Municipality have hereto signed their names and set their seals on the day first above written.

**CONTRACTOR**

\_\_\_\_\_  
Name of Contractor

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

\_\_\_\_\_  
Position Held

\_\_\_\_\_  
Signature of Contractor or Seal of Corporation

\_\_\_\_\_  
Witness

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THE MUNICIPALITY OF LAMBTON SHORES

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
Clerk

\_\_\_\_\_  
Municipal Seal

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 2023



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<b>4.3</b>	<b>Section GC-8</b>	<b>Acceptance of Work</b>
<b>4.4</b>	<b>Section GC-7</b>	<b>Contractors Responsibilities</b>
<b>4.5</b>	<b>Section GC-1.06</b>	<b>Time and Order of Completion</b>
<b>4.6</b>	<b>Section GC8.02.09</b>	<b>Liquidated Damages</b>
<b>4.7</b>	<b>Working Hours</b>	
<b>4.8</b>	<b>Section GC8.02.06</b>	<b>Payment of Workers – Labour Conditions</b>

**MUNICIPALITY OF LAMBTON SHORES**

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**SECTION 4: SPECIAL PROVISIONS – GENERAL**

**4.1 GENERAL CONDITIONS**

This Special Provision amends and takes precedence over certain Sections of the General Conditions OPSS dated August 1990. All Sections not amended by the Special Provisions shall take precedence in the order set out in Section GC2.02.

**4.2 SECTION GC-6 SURETY AND DEPOSIT**

In addition to the items listed, A Certificate of Insurance shall be submitted to the Municipality at the time of execution of the Contract prior.

The Tender deposit shall be in the form of a bid bond or certified cheque.

**4.3 SECTION GC-8 ACCEPTANCE OF WORK**

The written notice of acceptance shall specify the date of commencement of the twelve (12) month Maintenance Period. The Contractor shall be responsible for any maintenance or corrective measures required as a result of faulty workmanship or materials during the Maintenance Period.

**4.4 SECTION GC-7 CONTRACTOR RESPONSIBILITIES AND CONTROL OF THE WORK**

Maintaining roadways Detours Paragraph GC7.06 is amended to read as follows: The cost of supplying all labour, equipment and material required to maintain in a satisfactory condition for traffic, a road through the work including any detours constructed in accordance with the Contract or with the approval of the Engineer, shall be paid by the Contractor.

The Contractor may reduce the number of traffic lanes to one lane in the immediate vicinity of the construction work in progress. The Contractor shall be responsible for delineating the boundaries of any open excavation at the end of each working day with fencing and approved lighting and delineators. No road may be closed without the authorization of the Engineer and provisions of adequate detours. All traffic control shall conform to Book #7 of the Ontario Traffic Manual

The Contractor's attention is drawn to Paragraph CG-7.01.06 referencing the Occupational Health and Safety Act.

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#### **4.5 SECTION GC1.06 TIME AND ORDER OF COMPLETION**

The work shall be completed and full possession thereof given to the Municipality by September 15, 2023, subject to any extensions allowed under Section GC3.07.

The contractor agrees to diligently and continuously work to complete the street within two weeks of the removal of existing materials.

#### **4.6 GC8.02.09 LIQUIDATED DAMAGES**

In the event that all work is not completed within the allowed time it is agreed that damage will be sustained by the Municipality, and that is and will be impracticable and extremely difficult to ascertain the actual value of the damage sustained. It is agreed that the damages shall be estimated to be and that the **Contractor shall pay the Municipality as Liquidated Damages the sum of Two Hundred Dollars (\$200.00)** for every calendar day, excepting Saturdays, Sundays, and Statutory Holidays, taken to complete the work in excess of the allowed time for completion. The Municipality may deduct any amount due under this Section from any monies that may be due or payable to the Contractor on any account whatsoever.

The liquidated damages payable under this Section are in addition to and without prejudice to any other remedy, action or other alternative that may be available to the corporation.

#### **4.7 WORKING HOURS**

A working day will be considered any day excluding Saturdays, Sundays, and Statutory Holidays. For the purpose of this contract working hours will extend from 7:00 a.m. to 7:00 p.m.

#### **4.8 PAYMENT OF WORKERS GC8.02.06 LABOUR CONDITION**

The Contractor shall adhere to the Ministry of Labour fair Wage Policy for the “Provincial Zone”.

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**SECTION 5: SPECIAL PROVISIONS – SPECIFICATIONS**

**5.1 GENERAL**

This Special Provision amends and takes precedence over certain Sections of the General Conditions OPSS dated August 1990. All Sections not amended by the Special Provisions shall take precedence in the order set out in Section GC2.02.

**5.2 ONTARIO PROVINCIAL STANDARD SPECIFICATIONS & STANDARD DRAWINGS**

This contract document references Ontario Provincial Standards for Roads and Municipal Services, OPSS Volumes 1, 2, 3, 4, 7 and 8. Copies of the specifications referenced are available for download, free of charge, at

[MTO Technical Publications \(gov.on.ca\)](http://gov.on.ca)

It shall be the Bidder's responsibility to review the referenced specifications in their entirety.

**5.3 DRAINAGE OF ADJACENT LANDS**

The Contractor shall conduct his operations such that the drainage of adjacent lands will not be blocked by materials from the excavation or stockpiled backfill. At the direction of the Engineer or his designate, the Contractor shall take immediate corrective action to alleviate any drainage problems caused by his operations.

**5.4 APPROVED EQUALS**

The Contractor may submit a written request to use alternate materials to the Municipality for approval. Any alteration from the specified materials will be subject to approval by the Municipality of Lambton Shores. The Contractor shall not make substitution without written approval from the Engineer prior to receipt of material on site. The Contractor shall clearly state the reason for his request for a substitution and indicate clearly whether there is any additional cost, credit or no difference in tendered price as a result of the proposed alternative.

The Contractor shall be required to pay all costs for any geotechnical testing of materials which do not meet specifications. These costs will be deducted from the Contractors final payment certificate.

### **5.5 CHARGE ORDERS**

The Contractor shall not proceed with any additions or deletions to the Contract until they have been issued a Change Order. The Change Order must be signed by the Contractor approved by the Municipality. Verbal changes by the site inspector will not be recognized for payment by the Municipality.

### **5.6 INSPECTION / TESTING**

The Contractor will not receive payment for any aspect of the work that cannot be tested or inspected to the satisfaction of the Municipality.

### **5.7 LAYOUT AND GRADE CONTROL**

The Engineer will supply the Contractor with a list of benchmarks to be used to control the line and grade.

NOTE: It is the Contractor's responsibility to complete all layout necessary to control line and grade.

### **5.8 ESTIMATED QUANTITIES**

The quantities contained in the Schedule of Quantities and Prices are estimated. Final payment will be based on "As Built" quantities.

### **5.9 ACCESS TO PROPERTY**

The Contractor shall ensure that access to properties is restored at the end of each day.

### **5.10 TRAFFIC CONTROL**

All traffic control and signing shall comply with current standards including Book #7 of the Ontario Traffic Manual. Payment for traffic control shall be included with the Mobilize and demobilize item for each area.

### **5.11 PROJECT TIMING**

To assist the Contractor the following timetable is contemplated:

- April 6, 2023 Close Tenders
- April 25, 2023 Award
- \_\_\_\_\_(contractor to decide) Start construction
- September 15, 2023 Complete construction

### **5.12 RESTORATION**

The lump sum bid for restoration shall include:

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- Restoration with topsoil and seed the areas disturbed by construction.
- Restoration with Granular 'A' (minimum of 200 mm depth) of any gravel road disturbed by construction.
- Restoration of any damage done to roads or bridges as determined by the municipality.
- Road edge restoration with gravel or topsoil as existing conditions dictate.

### **5.13 PREPARATION & PLACEMENT**

The preparation to areas will be at the satisfaction of the Municipality or it's representative and shall include:

#### **5.13.1 MILLING AND DISPOSAL OF MILLED MATERIAL**

The successful bidder shall be responsible for the milling/removal of the existing asphalt surface where indicated to provide a smooth transition from the new asphalt surface to the existing roadway and all areas in between the curb and gutter. All milling operations shall conform to OPSS 510.

The milling operations shall be carried out at the locations and to the depths as directed by the Municipality or the on-site inspector. Milling depth is provided within each area specific instructions. The contractor is responsible for disposing of millings.

#### **5.13.2 CLEANING OF SURFACES**

The Contractor shall provide a power broom as required by the Municipality for the removal of all loose, foreign and deleterious material from all milled areas to be resurfaced. The cost of this work is to be included in the unit price for resurfacing under this contract.

#### **5.13.3 JOINT PAINTING**

The provisions of OPSS 310 section 310.07.11.02 with respect to joint painting with asphalt emulsion between courses will be specifically enforced under this Contract.

#### **5.13.4 VALVE & MANHOLE ADJUSTMENTS**

The Contractor shall be responsible to adjust all valves (water or gas), manholes, and related appurtenances, identified by the Municipality, to a grade level with the finished asphalt surface.

**5.13.5 SUPPLY, PLACEMENT, AND COMPACTION OF ASPHALT PAVING MATERIAL (HL-3)**

The successful bidder shall be responsible for the supply, placement, and compaction of asphalt paving material (including asphalt cement) to the limits and depths indicated previously. All paving operations shall conform to OPSS 310.

All Materials shall conform to the following:

*Granular*

Granular for use in asphalt on this project shall conform to OPSS 1003 – Material Specification for Aggregates – Hot Mix Asphalt.

*Asphalt*

Asphalt shall be HL-3, HL-4 or HL-8 as specified. Each mix shall conform to OPSS 1150 – Material Specification for Hot Mix Asphalt.

*Asphalt Cement*

Asphalt Cement shall be **PGAC 58-28** and conform to OPSS 1101 – Material Specification for Performance Graded Asphalt Cement.

Hot Mix Paving to the lines and grades specified or as directed by the Municipality. All paving shall conform to OPSS 310 – Construction Specification for Hot Mix Asphalt.

Prior to roller compaction, obvious defects in the HMA material shall be corrected.

A through lane paving course shall be completed prior to the placement of adjacent side roads and other paved areas.

At the end of each completed portion and prior to opening the lanes to traffic, the completed sections of HMA course shall be ramped transversely to the existing pavement for a distance of 1.5m.

Transverse butt or stepped joints between the new HMA pavement and the existing pavement or previous days pavement shall be constructed by trimming the existing pavement edge to a straight clean vertical surface of at least 40mm. All joints to receive a solid black bituminous tack coat.

The paver shall not move more than 15m from any transverse joint until that joint has been rolled and checked with a straight edge. If the joint is not satisfactory, it shall be corrected immediately before the paver is allowed to proceed.



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The Contractor shall furnish and evenly apply a solid black bituminous tack coat to the total face of asphalt joints, concrete gutters, manhole frames, catch basin frames and all other surfaces against which new asphalt paving is to be placed.

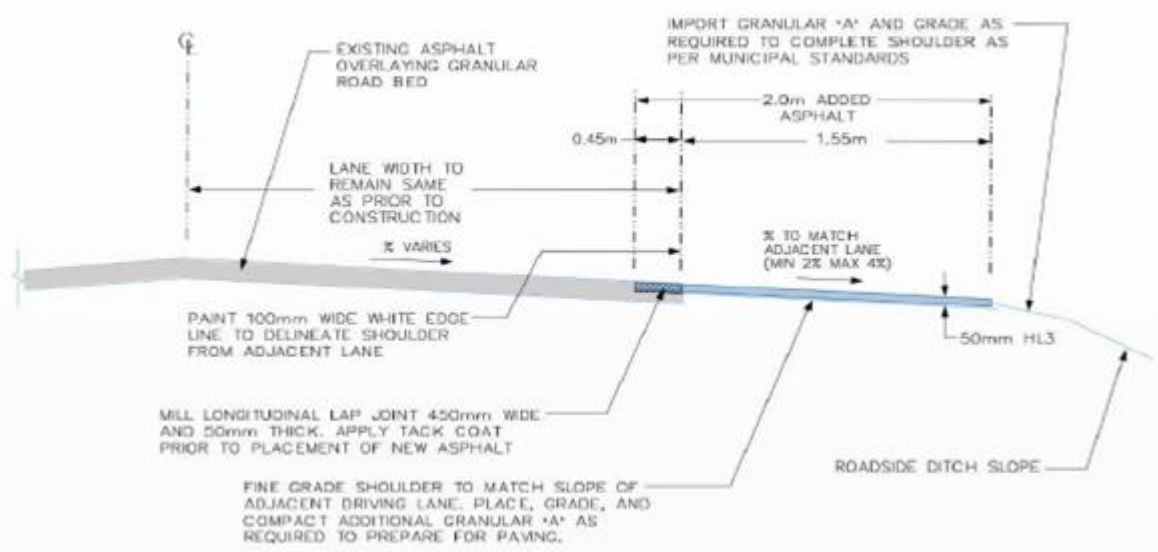
After final compaction, each course shall be smooth and true to the established crown and grade. HMA binder and surface courses shall be free from deviations exceeding 6mm and 3mm, respectively, as measured in any direction with a 3m straight edge. Work which exceeds the tolerances required shall be rejected. Rejected HMA shall be corrected by Contractor, at their expense, to the satisfaction of the Municipality by whatever means the Municipality shall deem appropriate including but not necessarily limited to: removal and replacement of all, or a portion of, the subject area with acceptable HMA, or selective milling/ grinding as appropriate.

**5.13.6 PAVING OF INTERSECTIONS AND DRIVEWAYS**

All intersections and paved driveways contiguous with or approaching any areas resurfaced under this contract, will be considered part of this contract and will be paved a minimum of three (3) metres or at the discretion of the Municipality or on-site inspector.

**5.13.7 DESIGN CROSS SECTION**

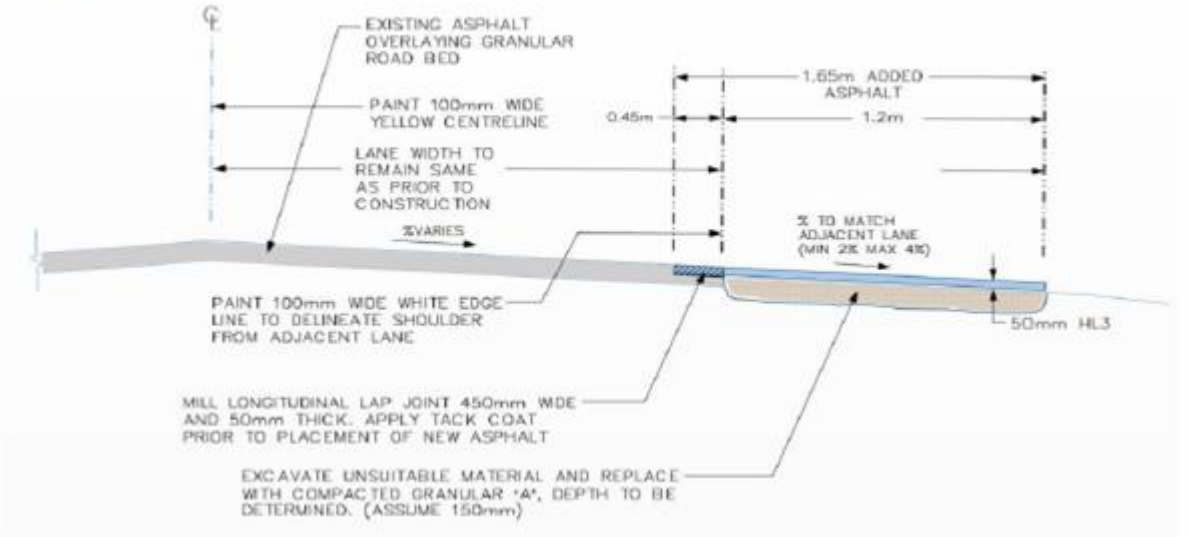
**Design #1**



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For use with provisional items (unsuitable base material as directed by Municipality):

**Design #2**



**5.13.8 LINE PAINTING**

Line markings are to consist of a 100mm wide white edge line to delineate shoulder from adjacent lane.

Refer to OPSS 1712, 1716, and OPSS 1750.

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5.14 SITE LOCATION OVERVIEW

