

## **REQUEST FOR PRICING**

### **TENDER 24-13**

#### **MCKELLAR CENTRE ROAD ROCK REMOVAL**

Contractors are invited to provide pricing for the removal of rock on Centre Road located McKellar Township.

Tender Closing Date August 2, 2024, at 2:00 PM local time

Tender Delivery Location Township of McKellar municipal office located at 701 Highway 124, McKellar, ON

Contact Person Bob Hughes P. Eng.  
RHH Engineering  
70 Isabella Street, Unit 111,  
Parry Sound, ON P2A 1M6  
Office 705 746-1196  
Cell 705 774-5058  
Bob.rhhengineering@cogeco.net

Owner Township of McKellar  
Box 69, 701 Highway 124,  
McKellar, ON  
POG 1C0  
705 389-2842

*(Lowest or any tender not necessarily accepted)*

## QUOTATION FORM

Pages 1 to 7

Project Township of McKellar  
Centre Road Rock Removal  
Contract No. 24-13

Tenderer \_\_\_\_\_  
NAME  
  
\_\_\_\_\_  
ADDRESS  
  
\_\_\_\_\_

### GENERAL

The Township of McKellar requires rock removal on Centre Road as part of their road reconstruction project. The rock removal is along the ditch lines on the east and west side of Centre Road 1.3 km north of Camp Road.

The Township is requesting quotations for the drilling and blasting of the ditch rock. The Township will be responsible for excavation and removal of the blasted rock, alternatively an optional price is can be provided by the bidder to excavate and dispose of the rock.

The township would like the rock blasting to be completed by August 23, 2024.

## IN SUBMITTING THIS TENDER THE BIDDER AGREES

1. We agree the successful bidder shall furnish an executed agreement, a Certificate of Insurance as specified, and WSIB Clearance Certificate, satisfactory to the owners.
2. We agree the bid deposit shall be in the form of a certified cheque, bank draft or money order payable to the Township of McKellar. The deposit shall be held by the Township as security until the project is completed. The Township shall cash and retain the security deposit if the project is not completed to the Township's satisfaction.
3. We agree that this tender price shall be open for acceptance for twenty (20) days after the tender closing date.
4. We agree that the Owner may not accept the lowest tender or any tender and further that the Owner will not defray any costs incurred in the preparation of this tender.
5. We agree that upon acceptance of this Tender by the owner, as notified by facsimile or mail, that we immediately shall sign the contract agreement, or a purchase order. We shall submit a construction schedule, and submit the required insurance and related documents as specified.
6. The Tenderer also understands and accepts that the prices set forth in this tender include full compensation to furnish all machinery, tools, apparatus and other means of construction, furnish all materials, and to complete the work in strict accordance with the work descriptions, and specification referred to in the Request for Pricing which includes the Description of Work, Drawing SK-1, and Key Map.

Schedule of Prices

Item	Type	Quantity	Unit Price	Total
Drill and Blast Rock		66 linear metres	\$ _____ / l.m.	\$ _____
H.S.T.				\$ _____
TOTAL TENDER PRICE				\$ _____

We the undersigned agree to provide, execute, complete the whole of the said work as set out in the tender documents for the Total Tender Price of

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in Canadian dollars which includes all prime costs, allowances, Federal Taxes, and Provincial Taxes.

OPTIONAL ADDITIONAL PRICE (Contractor's option)

Contractor's price to excavate the blasted ditch rock, grade the ditches and dispose of the blasted rock off site. Lump Sum \$ \_\_\_\_\_

Offered on behalf of:

Contractor: \_\_\_\_\_

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

\_\_\_\_\_

Telephone \_\_\_\_\_

Fax number: \_\_\_\_\_

Authorized  
Signature: \_\_\_\_\_

Witness: \_\_\_\_\_

Date: \_\_\_\_\_

### Information to Bidders

Tender Closing Date: August 2, 2024 Time 2:00 PM local time.

Start Date: August, 2024 - as negotiated with the Township

Completion: August 23, 2024

Bid Deposit: \$ 1,000.00

Insurance: General Liability of \$ 2,000,000.00

Traffic Control: Book 7.

Agreement: OPS Contract or Purchase Order

Payment : single payment when project completed.

### General Specifications

Unless otherwise noted the work will be governed by the OPSS.MUNI 100, November 2019.

### Supplementary Specifications

#### General Description of Work (Blasting)

The Contractor shall use controlled blasting techniques to control the vibration and fly rock. Blasting mats are to be used on all blasts and no fly rock is permitted. All blasts are to be monitored for vibration and recorded. All blasting vibrations are to comply with the peak particle velocities shown in Table 1. The contractor shall carry out all blasting with regard for protecting the existing infrastructure.

If excessive vibrations occur or fly rock occurs the contractor will be required by the township to engage the services of a blasting / vibration specialist to design the blasting patterns and maximum loadings at the Contractor's cost. The blasting consultant shall carry out their work as detailed in the monitoring section of these specifications

The maximum size of the blast rock is to be 600 mm. The ditches are to be blasted 750mm below the existing finished grade of the road. An additional 300mm of rock shatter is to be provided below the bottom of the ditch.

The bidders shall visit the site to satisfy themselves of the scope of the work and contact Bob Hughes (RHH Engineer) regarding the details of the extent of the area to be blasted.

Drawing SK-1 shows the typical ditch dimensions for rock removal.

A Contractor's Option Price is provided for in the tender for excavating the blasted rock ditches; but is not a requirement for submitting a bid. If the bidder does not wish to be excavate and dispose of the rock leave the Optional Additional Price blank.

### Pre Blast Survey Specifications

The contractor shall engage an independent vibration / blasting specialist with a minimum of 10 years experience in assessment of blasting damage for heavy construction in urban areas.

The specialist shall conduct a pre-construction survey which shall include but not be limited to all structures **within 100 metres of all blasting operations**.

This will include all structures considered to be of potential risk, including, but not limited to, buildings, driveways, swimming pools, patios, wells, concrete structures etc. The pre-construction survey report shall include as a minimum the following information and a copy shall be provided to the Owner, prior to commencement of work.

1. The type of structure, including type of construction, and date when built if possible.
2. Areas where differential settlement or displacements exists, identifying visible cracks in walls, floors, and ceilings including diagrams if applicable room by room.
3. All apparent signs of structural defects or cosmetic damage.
4. The report shall use quantitative descriptions where applicable i.e."concrete slab displaced 2 inches" as opposed to "concrete slab displaced substantially".
5. Clear photographs or video tapes, as deemed necessary for recording of existing conditions.

The standard inspection procedure will include the provision of an explanatory letter to the property owners with a formal request for permission to carry out an inspection.

The survey report shall indicate the address of each of the properties inspected, the refusals received, and an evaluation of any evidence of potential hazards that exist.

### Vibration Monitoring

The contractor shall prepare and submit to the owner "as blasted" records required by OPSS.MUNI 120.

The contractor shall conduct all blasting in such a manner that the resulting peak particle velocity does not exceed the following recommended limits at the ground line adjacent to existing above ground structures in the vicinity of the project or right-of-way.

TABLE 1

MAXIMUM ALLOWABLE PEAK PARTICLE VELOCITIES, mm/sec.

Frequency (Hz)	Max. Peak Particle Velocity, mm/sec.
>40	50
30 - 40	40
20 - 30	25
<20	12

In the event that property damage occurs or potential claims are reviewed by the owner or contractor; the contractor shall have a vibration specialist investigate the claim and report on the merits of the claim to the contract owner. The vibration specialist shall also review the blasting designs and procedures and recommend changes to the blasting operations if necessary.

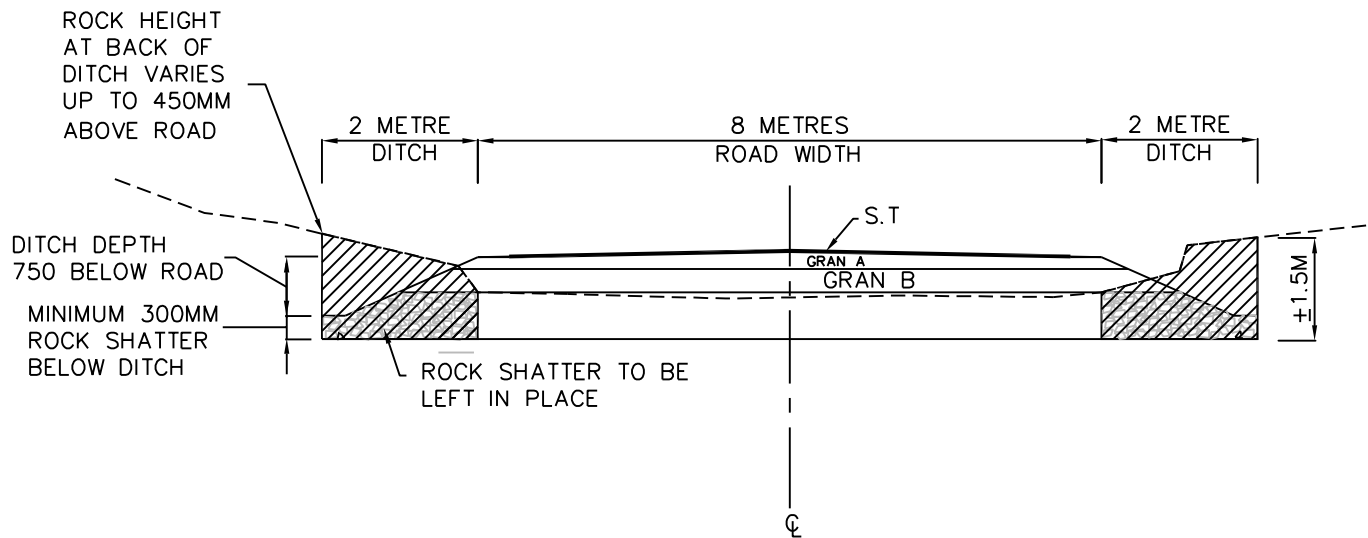
Any correspondence between the contractor or the contractor's representative and the claimant shall be copied to the Township.

### Payment

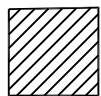
The Contractor shall be paid on single payment basis when work is complete. The tendered price includes all related costs inclusive but not limited to specified insurance and the pre blast survey.

The Contractor shall be paid on a per linear metre of blasted trench measured parallel to the road.






## TYPICAL ROCK ROAD SECTION



TYPICAL ROCK C/S AREA TO BE BLASTED

----- TYPICAL ROCK PROFILE


**RHH**  
**Engineering**

70 ISABELLA ST., UNIT 111, BOX 675 PARRY SOUND,  
 ONT P2A 2Z1 705-746-1196 PH

MCKELLAR TOWNSHIP  
 CENTRE ROAD UPGRADING  
 BLASTING TENDER 24-13

TYPICAL ROAD CROSS SECTION

DRAWN R.H.	CONTRACT NO. 24-13	DRAWING NO. SK-1
SCALE N.T.S.	DATE JULY/24	

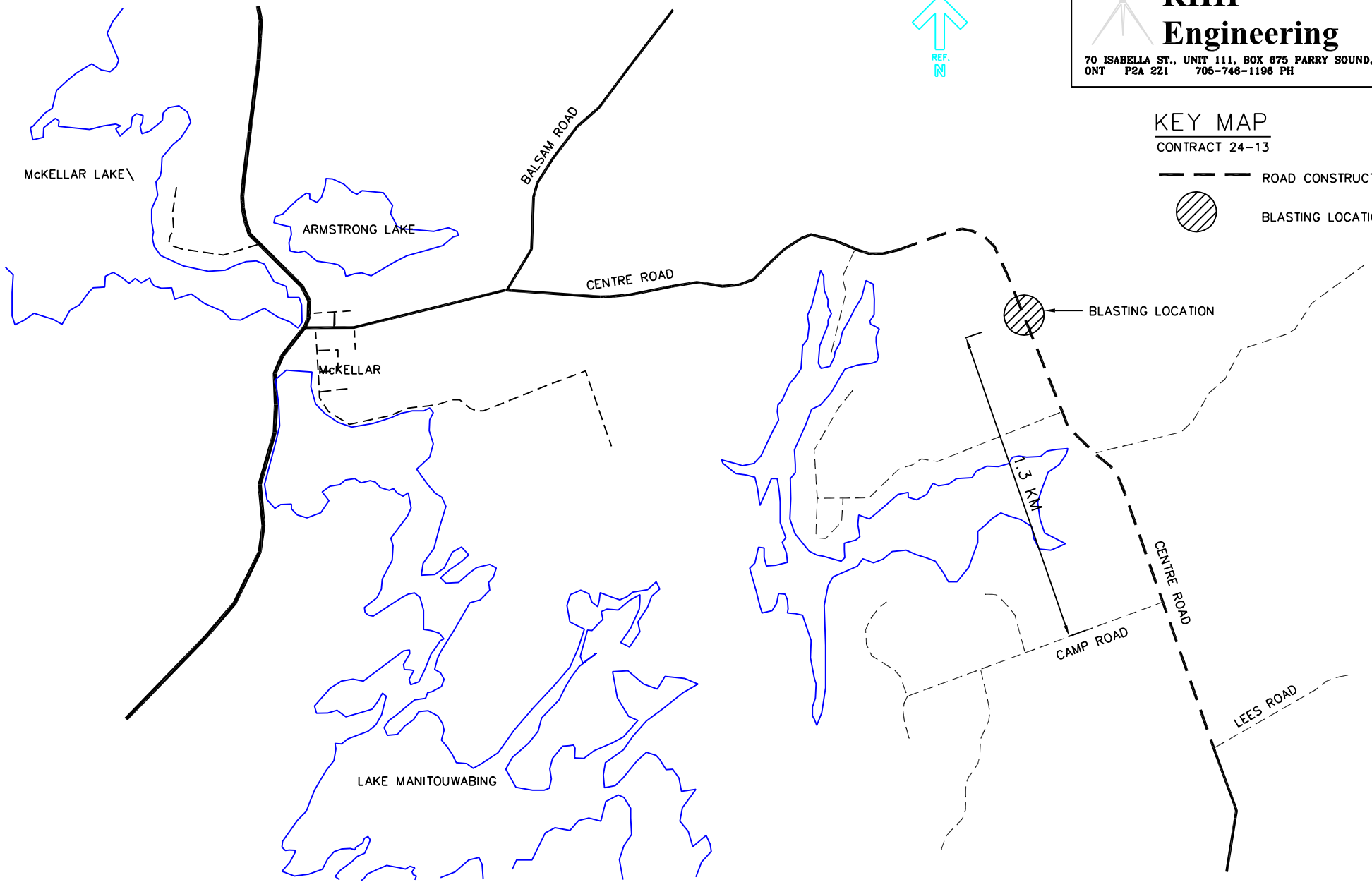


**RHH**  
**Engineering**  
70 ISABELLA ST., UNIT 111, BOX 875 PARRY SOUND,  
ONT P2A 2Z1 705-746-1196 PH

**KEY MAP**

CONTRACT 24-13

- ROAD CONSTRUCTION
- ⊘ BLASTING LOCATION



McKELLAR LAKE

ARMSTRONG LAKE

CENTRE ROAD

McKELLAR

LAKE MANITOUWABING

1.3 KM

BLASTING LOCATION

CENTRE ROAD

CAMP ROAD

LEES ROAD