



Contract No. 2025-10

Hurdville Bridge
Railing Replacement

Township of McKellar
District of Parry Sound



Site Photo – View of Bridge Deck & Railings looking North

McKELLAR TOWNSHIP

Invites tenders for

Contract No. 2025-10

Hurdville Bridge Railing Replacement

Tender Closing Date and Time: **Thursday, April 24, 2025, 2:00 p.m.**
local time.

Tender Delivery Location delivered to: Township of McKellar
Municipal Office
701 Highway 124,
McKellar, Ontario
Att: Tom Stoneman

Tender Opening Date, Time and Location: **April 24, 2025, 2:15 p.m.** local time,
Township of McKellar
Municipal Office
701 Highway 124,
McKellar, Ontario

Contact Person: Tom Stoneman,
705 773-9001

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

Owner: Township of McKellar
Box 69, 701 Highway 124,
McKellar, ON P0G 1C0
705 389-2842

(Lowest or any tender not necessarily accepted)

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Tender Letter

The Township of McKellar invites contractors to submit tenders for the Hurdville Bridge Railing Replacement on Hurdville Road, in the Township of McKellar, in the District of Parry Sound.

TENDERS DUE DATE Delivered to McKellar Municipal Offices, before **2:00 PM local time, April 24, 2025**

CONTRACT OWNER Township of McKellar
Box 69, 701 Highway 124,
McKellar, ON
P0G 1C0

CONTACT PERSON Tenders to be submitted to the above address.
Att: Tom Stoneman

TENDER SETS Deposit NA

BID/SECURITY DEPOSIT Bid Bond or Certified Cheque for \$ 20,000.00 required

PROJECT SECURITY 100% Performance Bond, Material and Payment Bond.

ENGINEERS RHH Engineering
70 Isabella Street, Unit 111,
Parry Sound, Ontario
P2A 1M6
Att: Mr. Bob Hughes P. Eng.
(705) 746-1196
bob.rhhengineering@cogeco.net

Lowest or any tender not necessarily accepted.

INFORMATION TO TENDERERS

1) Registration, Delivery and Opening of Tenders

Tenderer's name, address, telephone number and email shall be recorded on the "*Request for Tender Obtained Register*" and contract documents and plans (where applicable) will be issued thereafter. All Tenderers must obtain contract documents and be listed on the "*Request for Tender Obtained Register*".

Tenders, sealed in an envelope and **clearly** marked with the project/contract title, the project/contract number and tenderer's name, will be received by the Township of McKellar Box 69, 701 Highway 124, McKellar, Ontario P0G 1C0, until 2:00 p.m., Local Time on the advertised closing date for receipt of tenders. The use of the mails for delivery of a tender will be at the risk of the tenderer.

On the closing day, commencing at the time stipulated by the Township the envelopes will be opened and the tenders will be read and recorded publicly at the above mentioned address. Tenders will then be checked and analyzed.

2) Disqualification of Tenders

Under no circumstances will tenders be considered which:

- a) are received after **2:00 p.m.** local time on the advertised closing date for tenders.
- b) are not accompanied by a bid deposit in the form of a certified cheque, or **original** bid bond, in the amount specified.
- c) are sent by fax.
- d) are not accompanied by a properly executed Agreement to Bond
- e) are submitted by tenderers **not** on the '*Request for Tender Obtained Register*'

3) Withdrawal or Qualifying of Tenders

A tenderer who has already submitted a tender may submit further tenders at any time up to the official closing time. The last tender received shall supersede and invalidate all tenders previously submitted by that tenderer for this contract. A tenderer may withdraw his/her tender at any time up to the official closing time by submitting a letter bearing his/her signature and seal as in his/her tender to the Township of McKellar, Box 69, Highway 124, McKellar, Ontario P0G 1C0. Such a submission must be received in sufficient time to be marked before **2:00 p.m.** local time on the date for closing of tenders. The tenderer shall show his/her name and the project and contract numbers on the envelope containing such letter. No faxes or telephone calls for the withdrawal or qualifying of tenders will be considered.

4) Informal or Unbalanced Tenders

All entries in the '*Form of Tender*' shall be made in ink, by typewriter or by printer. Uninitiated entries or changes made in pencil shall be deemed invalid. Tenders which are incomplete, illegible, or obscure, or that contain additions not called for, erasures, alterations (unless properly and clearly made and initialed by the tenderer's signing officer), or irregularities of any kind, shall be rejected. The Township of McKellar reserves the right to waive formalities at its discretion. Tenderers who have submitted tenders that have been rejected by the Township of McKellar because of informalities will be notified of the reasons for the rejection within ten (10) days after the closing date for tenders.

Tenders that contain prices which appear to be so unbalanced as likely to adversely affect the interests of the Township of McKellar may be rejected. Wherever in a tender the amount tendered for an item does not agree with the extension of the estimated quantity and the tendered unit price, the unit price shall govern, and the amount and the Total Tender Price shall be corrected accordingly, unless otherwise decided by the Township of McKellar.

If a tenderer has omitted to enter a price for an item of work set out in the '*Form of Tender*', he/she, unless he/she has specifically stated otherwise in his/her tender, will be deemed to have allowed elsewhere in the '*Form of Tender*' for the cost of carrying out the said item of work and, unless otherwise agreed to by the Township of McKellar, no increase shall be made in the total Tender Price on account of such omission.

5) Examination of Site

Each tenderer should visit the site of the work before submitting his/her tender and must satisfy himself/herself by personal examination as to the local conditions to be met with during the construction and conduct of the work. He/she shall make his/her own estimate of the facilities and difficulties to be encountered including the nature of the subsurface materials and conditions. He/she is not to claim at any time later in the submission of his/her tender that there was any misunderstanding of the terms and conditions of the contract relating to site conditions.

Any person who proposes to carry out any investigation of any property relative to the proposed works shall, before entering the said property, and any other property, and before commencing the said investigation, notify the owner and occupant of the said property of the nature and extent of the proposed investigation, notify the owner and occupant of such other property of the access required and obtain the agreement in writing thereto of all such owners and occupants. The person who was responsible for carrying out such an investigation or for making use of any access as aforesaid shall reinstate the property and shall be responsible for all damage and claims resulting there from in accordance with the said agreement of such owners and occupants.

With respect to any matter referred to in the foregoing paragraph, no person referred to therein is authorized to act as agent of or to make any representation on behalf of the owner and the Township of McKellar shall not be responsible for any disturbance to or reinstatement of any property or for any damage or claims referred to therein.

6) Tender

Each tender shall include the '*Information to Tenderers*' and a completed '*Form of Tender*', together with any further forms or sheets which the tenderer is instructed elsewhere herein, or in any addendum hereto, to submit with this tender.

7) Omissions, Discrepancies and Interpretations

Should a tenderer find omissions from or discrepancies in any of the tender documents or should he/she be in doubt as to the meaning of any part of such documents, he/she shall notify the **Engineers**, preferably in writing and not later than four days before the closing date for tenders. If the **Engineers** consider that a correction, explanation, or interpretation is necessary or desirable, he/she will issue an Addendum to all who are listed on the '*Request for Tender Obtained Register*'. No oral examination or interpretation shall modify any of the requirements or provisions of the tender documents.

The tenderer also declares that in tendering for the work and in entering into the contract he did not and does not rely upon information furnished by the Owners or any of its servants or agents respecting the nature or confirmation of the ground at the site of the work, or the location, character, quality or quantity of the materials to be removed, or to be employed in the construction of the work, or the character of the equipment or facilities needed to perform the work, or the general and local conditions and all other matters which could in any way affect the performance of the work under the contract other than information furnished in writing for, or in connection with the tender or the contract by the Owners, except information specifically excluded from this sub-section.

8) Quantities

For any work done or materials supplied on a unit price basis, the Contractor will be paid for the actual measured quantities at the respective unit prices tendered.

9) Right to Accept or Reject Tenders

The Owners shall not be responsible for any liabilities, costs, expenses, loss or damages incurred, sustained or suffered by any tenderer prior or subsequent to or by reason of the acceptance or the non-acceptance by the Township of McKellar of any tender or by reason of any delay in the acceptance of a contract being prepared and executed. The Township of McKellar reserves the right to reject any or all tenders and to waive formalities, as the interests of the Township of McKellar may require, without stating the reasons and the lowest or any tender will not necessarily be accepted.

10) Agreement and Contract Execution

If the successful tenderer fails to provide to the Township of McKellar within the fourteen day period, the executed agreement, together with requirements as specified within, the tender documents, the Owners may accept another tender, advertise for new tenders, negotiate a contract or not accept any tender, as the Township of McKellar may deem advisable.

11) Proof of Ability and Sub-Contractors

In order to aid the Township of McKellar in determining the responsibility of each tenderer, the tenderer shall complete the following statement sheets which are attached herein:

Statement 'A' stating the tenderer's experience in similar work which he/she has successfully completed.

Statement 'B' stating the work and equipment the tenderer proposes to use to perform the work.

Statement 'C' giving a list of any sub-contractor who will be carrying out any part of this contract. This list shall show the names of the proposed sub-contractors and for what work each sub-contractor will be responsible.

12) List of Sub-Contractors

The tenderer agrees to submit a list of any sub-contractors (Statement 'C') who will be carrying out any part of this contract. This list shall show the names of the proposed sub-contractors and for what work each sub-contractor will be responsible. The Owner has the right to reject any of the sub-contractors so named. In this event, the tenderer shall arrange to have the proposed work done by such other sub-contractor as may be approved by the Township of McKellar. Only one name shall be shown for each sub-trade.

The tenderer shall not be allowed to substitute other sub-contractors in place of those named in the tender without written approval from the Owners. Should the tenderer cease operations, under no circumstances shall sub-contractors be allowed to continue to work on the site unless an authorized representative of the tenderer is present on the site at all times. The tenderer shall notify the Engineers and Owners in writing of the names and positions of the person, or persons so representing the tenderer.

13) Workplace Safety and Insurance Board (WSIB) and Harmonized Sales Tax Requirements

The contractor shall, at the time of entering into this contract with the Township of McKellar, provide Clearance Certificate from the Workplace Safety and Insurance Board stating that all assessments or compensation payable to the Workplace Safety and Insurance Board have been paid. The selected tenderer shall submit such clearance letter to the Township of McKellar in duplicate together with the Agreement executed by the said tenderer. One copy of the statutory declaration or clearance letter shall be attached to each of the two executed sets of the contract. The proponent certifies that it has met all of its obligations to comply with Workplace Safety and Insurance Board and the Harmonized Sales Tax requirements, so that it is able to do business in Ontario.

14) Occupational Health and Safety

For the purposes of the Occupational Health and Safety Act, the successful tenderer is considered to be the "constructor" as defined in the Act. It is specifically drawn to the attention of the tenderer that the Occupational Health and Safety Act provides, in addition to other things:

- a) THAT the measures and procedures prescribed by this Act and the regulations are carried out on the project;
- b) THAT every employer and every worker performing work on the project complies with this Act and regulations; and
- c) THAT the health and safety of workers on the project is protected.

15) Inquiries During Tendering

Tenderers are advised that technical inquiries regarding the tender documents shall be directed to Mr. Bob Hughes P. Eng, RHH Engineering (705-746-1196).

16) Insurance

The Contractor shall carry project specific general liability insurance in the amount of at least **\$2,000,000.00** coverage for any one claim must be carried by the contractor. In addition, the Township of McKellar shall be named as an additional insured party. Both owned and non-owned vehicles employed under this contract will require a minimum of **\$2,000,000.00** coverage in any one claim, showing the Township of McKellar, and RHH Engineering as additional insured parties. The tenderer to whom this contract is awarded shall supply the Township of McKellar with proof of insurance and a copy of the policy prior to the signing of the contract by Township of McKellar officials and provide coverage throughout the term of the contract in the amounts specified.

17) Hold Harmless

The contractor shall be responsible for any and all damages, or claims for damages or injuries or accidents done or caused by him/her or his/her employees or resulting from the prosecution of the works, or any of his/her operations, caused by reason of the existence or location or condition of works, or of any materials, plant, or machinery used therein or which may happen by reason thereof or arising from any failure, neglect or omission on his/her part, or on the part of any of his/her employees to do or perform any or all of the several acts or things required to be done by him/her or them under this agreement and by these conditions and covenants and agrees to hold the Owners harmless, and indemnified for all such damages and claims for damage.

18) Additional Work

- a) All unforeseen and or additional work to be performed by the contractor must be approved by the Owners (or his/her designate), prior to commencement of the work.
- b) All additional work, of similar nature to this contract, shall be charged at the contract unit price (where applicable).

19) Security and Bonding requirements (successful Bidder only)

The following must be furnished by the Contractor to execute the contract with the Township of McKellar:

- a) Performance Bond for 100% of the amount of the tender and a material and payment bond for 100% of the amount of the tender, issued by an acceptable guaranty company.

The tenderer agrees that he/she will furnish the stipulated bonds as noted above in duplicate as required herein with ten calendar days after the notification of award of the Contract by the Township of McKellar. One copy of the said bonds or other as noted above shall be attached to each of the two executed sets of the Contract.

20) Tender Deposit

The bidders shall provide a **BID DEPOSIT in the amount of \$ 20,000.00 payable to the Township of McKellar.**

Each tender shall include a tender deposit in the form of an **ORIGINAL** certified cheque, or original bid bond, payable to the Township of McKellar in the amount specified. **(PHOTOCOPIES, FACSIMILE COPIES AND OTHER REPRODUCTIONS OF ORIGINAL DOCUMENTS ARE NOT ACCEPTABLE).** The tender deposits of all tenderers, except two, will be returned within ten days after the date of opening tenders. The tender deposits of the two tenderers will be retained until a tender has been accepted and the specified bonds have been furnished to the satisfaction of the Owner save that if a tenderer has not been notified that his/her tender has been recommended to the Township of McKellar for acceptance within 30 days after the date of opening tenders, his/her tender deposit will be returned on demand and if a tender has not been accepted and the Agreement executed within 60 days after the date of opening tenders, any remaining tender deposits will be returned. After the execution of the Contract and the receipt by the Owners of the specified bonds, the tender deposit of the successful tenderer will be returned. If either of the above-mentioned two tenderers has not been notified within 30 days after the date of opening tenders that his/her tender has been recommended to the Owner for acceptance, he/she may apply to the Township of McKellar for the return of his/her tender deposit. Unless otherwise determined by the Township of McKellar, the tender deposit of one of the said two tenders (normally the one who submitted the second lowest tender) will be returned when so applied for. The tender deposit of the other tenderer will be retained or returned by the Township of McKellar as provided for elsewhere in this Section.

The Owners may, at their discretion:

- a) cash a tender deposit cheque and deposit the proceeds to its account, without prejudice to the ultimate disposition of such tender deposit as provided for herein, or
- b) return a tender deposit to a tenderer at an earlier time than provided for herein, or
- c) return a tender deposit to a tenderer on receipt from the said tenderer of an alternative security acceptable to the Owner in lieu of the said tender deposit, and,
- d) no such action shall prejudice the validity of the tender to which such tender deposit relates.

Except as otherwise herein provided, the tenderer guarantees that if his/her tender is withdrawn after the tenders are opened, before the Township of McKellar has made a decision or before or after he/she has been notified that his/her tender has been recommended to the Township of McKellar for acceptance or that if the Township of McKellar does not for any reason receive within the period of fourteen calendar days as stipulated and as required herein, the Agreement executed by the tenderer, the Performance Bond executed by the tenderer and the surety company and the other documents required herein, the Township of McKellar may retain the tender deposit for the use of the Township of McKellar and may accept any tender, advertise for new tenders, negotiate a contract or not accept any tender as the Township of McKellar deems advisable.

21) Method of Payment

Approved invoices will be processed within 30 days of acceptance.

22) Anticipated Start Date

The anticipated start date for this contract is the month of **June, 2025**.

23) Completion Date

The Contractor shall complete the work in 8 calendar weeks from the onsite starting date. If this time limit is not sufficient to permit completion by the Contractor working a normal number of hours, the Contractor shall make changes to permit the work to be completed by the above date. Additional costs incurred shall be deemed to be included in the price bid for the works.

24) Fixed Completion Date and Charges

1. Time

Time shall be of the essence for this Contract.

2. Progress of the Work and Time for Completion

The Contractor shall diligently prosecute the work on this contract in its entirety to completion in 8 calendar weeks.

3. Liquidated Damages

It is agreed by the parties to the Contract that in case all the work called for under the Contract is not finished or completed within the dates of completion specified aforementioned, or as extended in accordance with subsection GC3.07, Extension of Contract Time, of OPS General Conditions of Contract, September 1999, a loss or damage will be sustained by the Owner. Since it is and will be impracticable and extremely difficult to ascertain and determine the actual loss or damage which the Owner will suffer in the event of and by reason of such delay, the parties hereto agree that the Contractor will pay to the Owner the sum of \$250.00 as liquidated damages for each and every calendar day's delay in finishing the work beyond the dates of completion prescribed above. It is agreed that this amount is an estimate of the actual loss or damage to the Owner that will accrue during the period in excess of the prescribed dates of completion.

25) Bids

All tender parts must be bid. Owner reserves the right to delete one or any of the items due to budget constraints, and the award may be based on the sum of remaining items of the tender.

26) Non-Performance

Supply of product is to be on an automatic delivery basis. Any damages resulting from failure to supply product as required will be the responsibility of the Contractor.

27) Delivery

All delivery costs shall be included in the prices.

28) Testing

From time to time, the Township of McKellar or their representatives may obtain samples of the product being delivered for testing purposes. The Township of McKellar will submit such samples to an independent testing lab for analysis. If the sample(s) meet specification, the Township of McKellar will assume the cost for the analysis. If, however, the sample(s) do not meet specification, then the contractor will incur the cost of the analysis. Following the acknowledgment of the receipt of non-specified product the Owner has the right to discontinue future shipments and the price of the material, which did not meet the product specification, will be adjusted by ratio of test result to specification.

29) One Year Warranty

The Contractor and the Contractor's bonds shall warranty all work for 12 months from the date of Substantial Performance, including but not limited to all contractual work. All repairs and deficiencies shall be carried out and completed to the satisfaction of the owners and engineers.

FORM OF AGREEMENT

THIS AGREEMENT made in duplicate this ____ day of _____ 2025

BETWEEN: THE TOWNSHIP OF MCKELLAR

hereinafter called the 'Township or Owner' of the **FIRST PART**

-and-

xxx

hereinafter called the 'Contractor' of the **SECOND PART**

WITNESSETH that the 'Contractor' for and in consideration of the payment provided herein to be made to the 'Contractor' by the 'Owner', shall supply all labour, materials and equipment required to perform the work as described in

Contract No. 2025-10 – Hurdville Bridge Railing Replacement

In accordance with accompanying 'Information to Tenderers' and 'Form of Tender', *Project Specifications, OPS for Road and Public Works General Conditions of Contract, Project Drawings, Standard drawings* all of which form part of this agreement.

WITNESSETH that the 'Township of McKellar' agrees:

1. To provide the 'Contractor' with the access to its site to such extent as may be necessary for the performance of the work under this contract.
2. To pay the 'Contractor' as set forth in the 'Information to Tenderers' of this Contract.

IN WITNESS WHEREOF the 'Contractor' and the 'Township of McKellar' have respectively affixed their corporate seals and the hands of their proper officers on the day and year first above written.

SIGNED, SEALED and DELIVERED in the Presence of:

'CONTRACTOR'

TOWNSHIP OF MCKELLAR

Name of Contractor

Mayor

Signature of Contractor

Signature

Witness

Witness

Date

Date

FORM OF TENDER

Project Township of McKellar
 Hurdville Bridge Railing Replacement
 Tender 2025-10

To Township of McKellar
 Box 69, 701 Highway 124,
 McKellar, ON
 P0G 1C0

From Tenderer

NAME

ADDRESS

Attached are pages 14 to 19 of the Tender and other specified documents submitted as an official bid to the Township of McKellar.

The tenderer has carefully examined the Provisions, Plans, Specifications and Conditions referred to in the Tender Documents hereto as part of the work to be done under this Contract. The Tenderer also understands and accepts the said Provisions, Plans, Specifications and Conditions and hereby states 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, except as otherwise specified in the Contract, and to complete the work in strict accordance with the Provisions, Plans, Specifications and Conditions referred to in the said Tender Documents and Schedule A.

The Contractor understands and accepts that the quantities shown are approximate only and are subject to increase or decrease, or deletion entirely if not found to be required.

Attached to this tender, is a certified cheque, or bid bond, for the sum of Twenty Thousand Dollars, payable to the Township of McKellar, which is the tender deposit specified. Also attached to the Tender is an Agreement to Bond from an acceptable Canadian Surety Company.

This cheque or Bond shall constitute a deposit which shall be forfeited to the Township of McKellar if the successful Tenderer fails to file with the Township of McKellar, an executed tender document, a Certificate of Insurance in the amount specified, specified bonds, and a Workplace Safety & Insurance Board Clearance Certificate, satisfactory to the Owner within the time specified.

Notification of acceptance may be given and delivery of the '*Form of Agreement*' made by prepaid post, addressed to the Tenderer at the address contained in this Tender.

The Bidder acknowledges that they have received Addenda _____ to _____ .

Project: Contract 2025-10 Hurdville Bridge Railing Replacement

SCHEDULE OF PRICES

Item A – Replacement of Bridge Railings

Replacement of bridge railings including traffic control requirements, all removals, installation of concrete curbs, and railing system

Lump Sum \$ _____

Item B – Replacement of Bridge Guide Rails & End Treatment

Replacement of existing steel guide rails with new guide beams with structural connections and attenuator end treatments

Lump Sum \$ _____

Item C – Installation of Chain Link Fence

Installation of chain link fence on west side of bridge

Lump Sum \$ _____

Testing Allowance

Lump Sum \$ 1,500.00

Contingency

Lump Sum \$ 20,000.00

Subtotal \$ _____

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

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

Note: The Township of McKellar reserves the right to delete one or more items from the contract due to budget constraints.

Contractor's markup for subtrades shall be 15% for additional work.

Offered on behalf of:

Contractor: _____

Address: _____

Telephone: _____

Email _____

Authorized
Signature: _____

Seal:

Name: _____

(Please Print or Type)

Witness: _____

Date: _____

**FORM OF TENDER
STATEMENT 'A'
Tenderer's Experience**

As an integral part of this tender, the tenderer shall list here his/her experience in work of a similar nature to that being tendered, which he/she, has successfully completed.

YEAR	DESCRIPTION OF CONTRACT	FOR WHOM PERFORMED	APPROXIMATE VALUE
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**FORM OF TENDER
STATEMENT 'B'
Proposed Work and Equipment**

As an integral part of this tender, the tenderer shall provide below, a statement of the work and equipment he/she proposes to use for the work.

WORK

EQUIPMENT

**FORM OF TENDER
STATEMENT 'C'
List of Proposed Sub-Contractors**

Section 11 and 12 of the *'Information to Tenderers'* requires the tenderer to list on this statement sheet the name of each proposed sub-contractor.

SUB-TRADE

PROPOSED SUB-CONTRACTORS

GENERAL CONDITIONS:

Ontario Provincial Standards General Condition of Contract – OPSS MUNI 100
November 2024

General Condition of Contract and the Ontario Provincial standard listed below apply to this Contract unless otherwise stated in the attached Tender documents. The particular version in effect at the time of the Contract is advertised shall apply. Where further detail or clarification is required, reference shall be made to the appropriate Ontario Provincial Standards below.

Spec. No.	Date	Spec. No	Date
721	Apr 2024	1440	Nov 2016
732	Nov 2024	1442	Nov 2020
772	Apr. 2019	1541	Apr 2019
1301	Nov 2018	1504	Nov 2022
1315	Nov 2021	1505	Nov 2022

Payment, Holdback and Completion:

- a) Monthly payment shall be paid for ninety percent (90%) of the estimated value of the work performed, within thirty (30) calendar days of certification of the work estimate by the Contractor. The Contractor shall prepare the monthly estimate of work completed and submit to the Engineers for approval.
- b) In addition to the normal ten percent (10%) hold back, additional hold back may be retained to cover any written liens submitted during the Contract.
- c) As soon as possible following the certification of completion of the contract, the Contractor shall prepare the final estimate of payment and submit it to the Engineers for approval. The Contractor shall submit the certified final estimate and Worker’s Compensation Board clearance within thirty (30) calendar days.
- d) Hold back not including an amount retained for unresolved claims will be released to the Contractor sixty (60) calendar days after certification by the Township that the Contract is ‘complete’ (see Construction Act - Form 9) and sixty days after advertising for Substantial Performance in DCN .

SPECIAL PROVISIONS:

General

The contractor shall provide all labour, equipment, and material required to remove and replace the bridge railings and other related work.

The Contractor shall carry out the described work with road closure in place during construction.

The Contractor shall keep access to the adjacent dam open at all times.

The Contractor shall install construction barriers (concrete barriers or equivalent) to block access to the bridge site. Additionally, the Contractor shall install barriers/fencing to block pedestrians from the bridge site. The Contractor shall erect construction signage warning of road closure and construction.

The bridge shall remain closed to pedestrian and vehicle traffic for the duration of the project.

Layout

The project engineers shall assist in setting up reference lines for the guide rail system for the bridge approaches.

The Contractor shall layout the bridge railings as part of the scope of work.

Insurance, Bonding, Mobilization, Demobilization

Reference

Information to Tenderers 16), 19)

The Contractor shall provide the insurance and bonding as specified in the Information to Tenderers and as further specified in the General Conditions.

The Contractor shall include the cost of mobilization and demobilization in the bid prices.

SCOPE OF WORK

GENERAL

The following Special Provisions, reference to particular items listed in the Form of Tender, form part of the Project Specifications and therefore, part of the Contract. These Special Provisions represent the Project Specifications for work associated with particular items. In cases where Standard Specifications are referenced for particular items in the Form of Tender, Schedule of Items and Prices, these Special Provisions are to complement or modify the Standard Specifications. All tender items to include bonding, insurance, mobilization and demobilization.

DESCRIPTION OF WORK

ITEM A REPLACEMENT OF BRIDGE RAILINGS

REMOVAL OF EXISTING RAILINGS, AND CURBS

General

The existing concrete railings and concrete curbs are to be removed from the concrete bridge deck with suitably sized equipment, air hammers etc.; which will not damage the existing concrete bridge deck while removing the concrete railings and existing concrete curbs. The contractor will use falsework, netting, screens, etc to prevent the concrete rubble from falling into the river bed.

The Contractor shall dispose of all concrete rubble, steel, and wood off site. The Contractor shall salvage all steel beam guide rail and hardware and deliver the material to the McKellar Township yard, or as directed by the Township foreman. No waste shall be accepted at the McKellar Transfer Station.

CONCRETE CURB REPLACEMENT

The Contractor shall construct a new bridge curb as shown on Drawings # 2, # 3, #4 and #5.

Prior to forming and placing the reinforcing steel the bridge deck concrete surfaces are to be cleaned by sandblasting or mechanically cleaned to remove all spalled areas, loose concrete areas, grease, and mildew, to provide a clean structurally sound surface to apply the epoxy bonding agent. The Contractor shall use compressed air or high pressure water to clean the surface.

The Contractor shall drill and grout the stirrups into the bridge deck as shown on Drawing # 2 and #3 using the specified grout.

The Contractor shall construct the formwork as required and place the reinforcing steel as shown on Drawing # 2 and 3.

The epoxy bonding agent to be used is Sikadur-32 Hi-Mod by Sika Canada Inc.

The Contractor shall notify the engineers when the concrete surfaces are ready for the application of the epoxy bonding agent. The Contractor shall not proceed with applying the bonding agent without prior approval from the Engineers.

The epoxy bonding agent shall be applied at the manufacturer's prescribed temperatures in dry conditions. when temperatures are + 10 degree Celsius or higher. The epoxy bonding agent shall not be applied more than 3 hours in advance of the concrete being poured or as specified by the manufacturer. If the concrete pour occurs in a time span exceeding three time limit, the Contractor shall apply an additional coat of the epoxy bonding agent.

The concrete curbs shall cure for seven days minimum prior to installing the steel bridge posts and railings.

CONCRETE WORK (CURBS)

The Contractor shall clean the form work prior to pouring concrete. The concrete shall be poured and mechanically vibrated to provide a smooth finish. The Contractor shall trowel and screed the concrete as required. The Contractor shall provide the rounding as shown on Drawing # 2 and #3 on the inside edge of the curb. The Contractor shall obey all posted bridge limits at all times.

The Contractor shall conform to the requirements of CAN/CSA-A23.1 to protect freshly poured concrete.

The Contractor shall not strip the formwork until the concrete has cured for a minimum of 24 hours

The Contractor shall apply curing compound to the concrete surfaces immediately after stripping the form work.

INSTALLATION OF BRIDGE POSTS AND RAILINGS

Fabrication

The Contractor shall submit shop drawings for the fabrication of the bridge posts and railings as detailed on Standard Drawings SS10-50 A, SS10-50B, SS10-50C and as modified on project Drawings # 2, # 3 and #4.

All components of the bridge railing assembly are to be hot dipped galvanized.

Installation

The Contractor shall install the steel railing posts by drilling the concrete curb and deck for installation of anchor bolts with Hilti Hit 200 HY-200 adhesive system or approved equal anchoring system.

The steel railing posts shall be aligned and installed plumb. The Contractor shall install the railing posts with proper spacing of 1905 mm c.-c.

The Contractor shall install the two HSS rails including splice details as shown on std drawings SS10-50C and Drawings #2, #3, and #4.

PAYMENT

The basis for payment is lump sum price, all inclusive for the work described including removals, and railing installation. The contractor shall include all labour equipment and material required to complete the work.

ITEM B GUIDE RAIL ON BRIDGE APPROACHES

REMOVALS

The Contractor shall remove the existing steel beam guide rail on the approaches and delivered to the Township of McKellar municipal yard, or as directed by the road superintendent.

INSTALLATION OF STEEL BEAM GUIDE RAILS

The Contractor shall install the steel beam guide rails as detailed by OPSD-912.101, OPSD-912.102, OPSD-912.103, OPSD-912.104, OPSD-912.130, and OPSD-912.401 and OPSS.MUNI 721 in the locations and lengths detailed on project Drawing # 2.

The Contractor shall provide transition plates and steel beam structure connection components (rail and channel) at each railing end post of the bridge to connect the steel guide rail beam of the approaches to the steel box beam guide rail of the bridge. The steel beam guide rail must be connected on the inside of the box beam guide rail. The approach steel guide rail beams are to match flush with the inside surface of the bridge's steel box beam guide rail. The splice plates are to be hot dipped galvanized.

The end of each steel beam guide rail assembly shall have an energy attenuator as specified,

RHH Engineering shall assist in laying out the new guide rail alignment.

PAYMENT

The basis for payment is lump sum price, all inclusive for the work described. The contractor shall include all labour equipment and material required to complete the work.

ITEM C CHAIN LINK FENCE

The Contractor shall install chain link fence on the bridge railing posts on the west side of bridge as detailed on Drawing #3. The chain link fence and components shall be a galvanized finish.

PAYMENT

The basis for payment is lump sum price, all inclusive for the work described. The contractor shall include all labour equipment and material required to complete the work.

TESTING ALLOWANCE

The testing allowance is to be used only as directed by the engineers.

The Contractor is to be allowed a 15% markup on invoices.

All failed testing shall be paid by the Contractor.

Payment

The contractor shall be paid based on invoices submitted and approved.

CONTINGENCY

Execution

The contingency amounts are to be reserved for work in addition to the tender specifications.

The contingency can only be spent as directed by the engineers in writing.

Payment

The Contractor is not entitled to the contingency monies unless authorized in writing from the engineers.

SCHEDULE A

Project Tender Specifications

Project Drawings # 1, #2, #3, #4, #5

Standard Drawings SS10-50A, SS10-50B, SS10-50C, OPSD 912.101, OPSD 912.102, OPSD 912.103, OPSD 912.104, OPSD 912.130, OPSD 912.401,

Standard Specifications

OPSS.MUNI 100, NOV 2024 OPSS MUNI General Conditions of Contract

OPSS.MUNI 721, APR 2024 Steel Beam Guide Rail Systems (Traffic Safety)

OPSS MUNI 732, NOV 2024, Guide Rail End Treatment, Steel Beam Energy Attenuating Terminal (SBEAT) Systems

OPSS MUNI 772, APR 2019, Chain Link Fence

OPSS MUNI 1301, NOV 2018, Cementing Materials

OPSS MUNI 1303, APR 2019, Admixtures for Concrete

OPSS MUNI 1308, NOV 2019, Joint Filler in Concrete

OPSS MUNI 1315, NOV 2021, White Pigmented Curing Compounds for Concrete

OPSS MUNI 1350, NOV 2023, Concrete Materials and Production

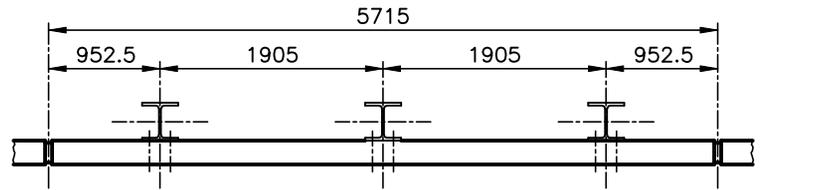
OPSS MUNI 1440, NOV 2016, Steel Reinforcement for Concrete

OPSS MUNI 1442, NOV 2020, Epoxy Coated Reinforcing Steel Bars for Concrete

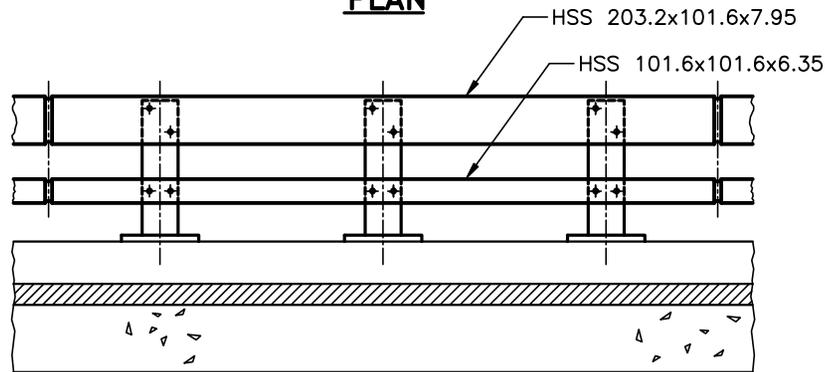
OPSS MUNI 1504, NOV 2022, Steel Beam Guide Rail

OPSS MUNI 1505, NOV 2022, Channel Components for Steel Guide Rail (SBGR)

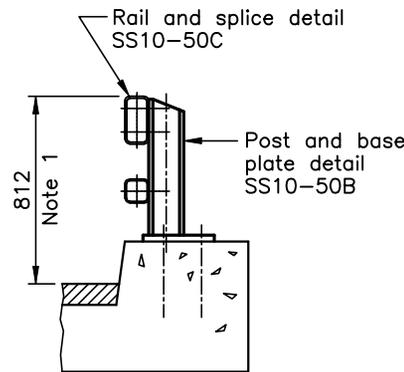
OPSS MUNI 1541, APR 2019, Chain Link Fence Components



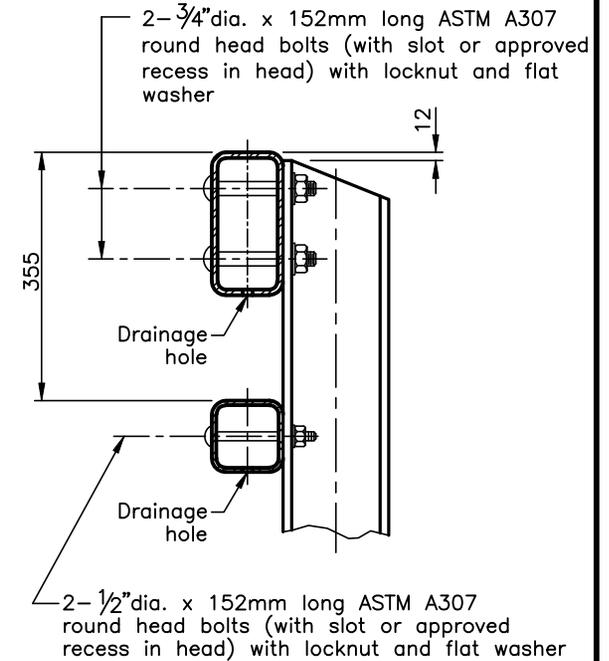
PLAN



ELEVATION



SIDE VIEW



DETAIL

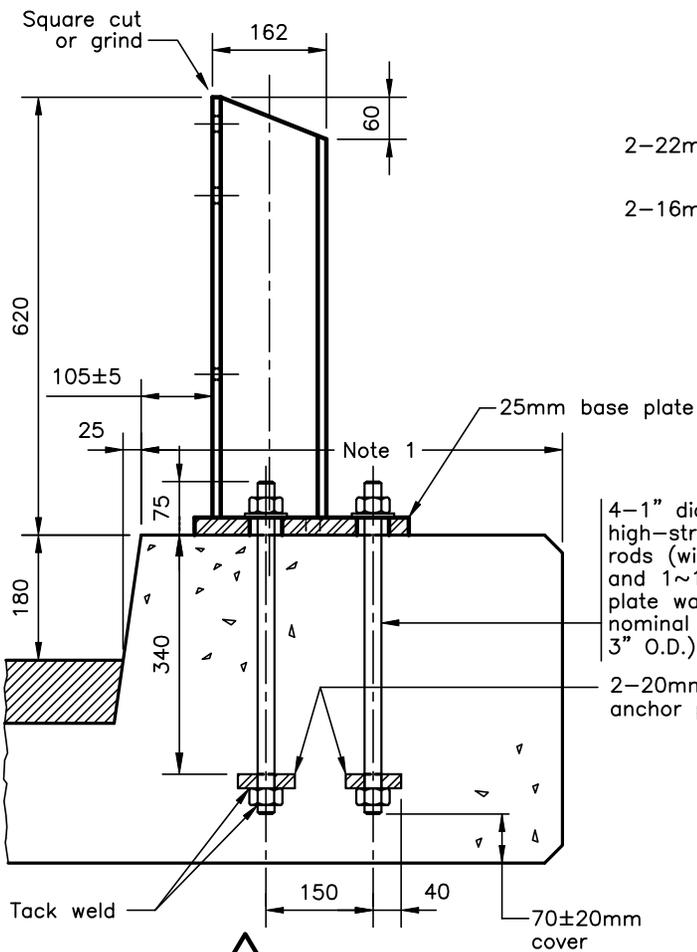
NOTES:

1. Mounting height shall be measured to top of guide rail.
- A. This Standard to be read in conjunction with SS10-50B and SS10-50C.
- B. Rail elements shall be hollow structural sections Grade 350WT, Class C.
Rail element shall meet the longitudinal Charpy V-notch impact test requirements of 27 joules at test temperature of _____ °C. (ASTM A500 Grade B or C steel may be substituted for Grade 350WT provided that the Charpy V-notch impact test requirements are verified by the submission of test documentation).
- C. Posts and plates shall be Grade 350WT.
- D. The notch toughness requirements for posts and plates shall be the same as those specified in Note B.
- E. Rails shall be prebent to follow road curvature where radius is less than 150 metres.
- F. Rail posts shall be set perpendicular to grade.
- G. Rails may be cut as required in the field, cut to be surface treated with a zinc touch-up solder, galvanguard or an approved equivalent.
- H. When connecting to existing railing, rails must be made continuous and post spacings to be determined with reference to existing posts.
- I. All dimensions are in millimetres unless otherwise shown.

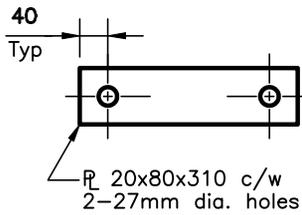
**BOX BEAM GUIDE RAIL ON CURB
ASSEMBLY DETAIL
PERFORMANCE LEVEL 2**

Date	Oct. 2013	Rev	
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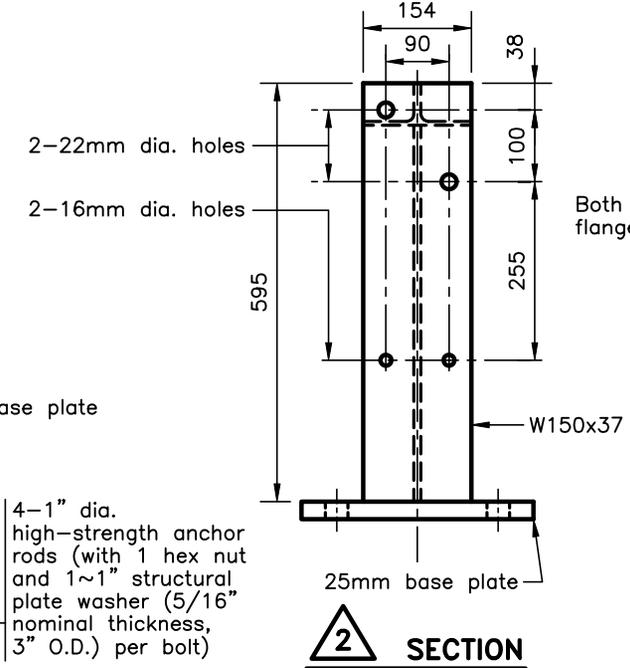
SS10-50A



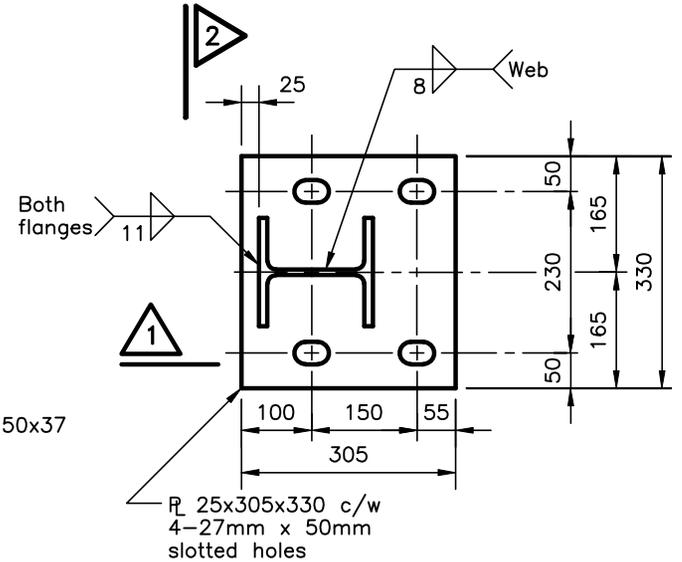
1 SECTION



PLAN ANCHOR PLATE



2 SECTION



PLAN BASE PLATE

4-1" dia. high-strength anchor rods (with 1 hex nut and 1~1" structural plate washer (5/16" nominal thickness, 3" O.D.) per bolt)
2-20mm anchor plates

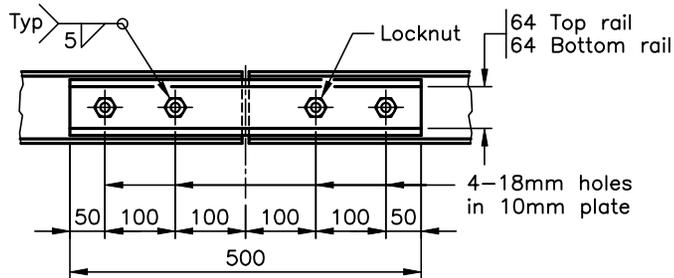
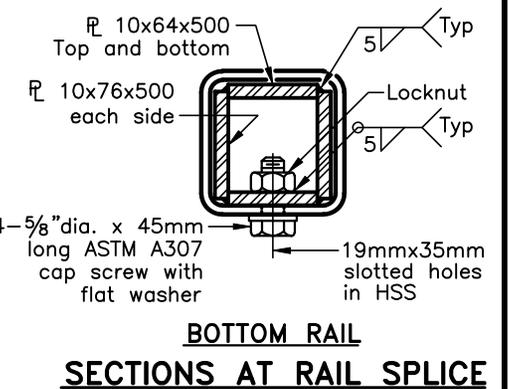
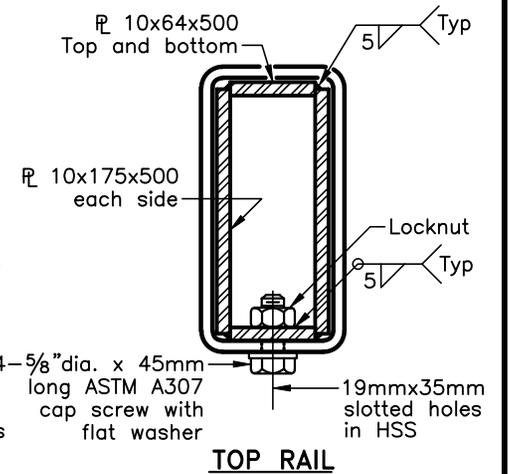
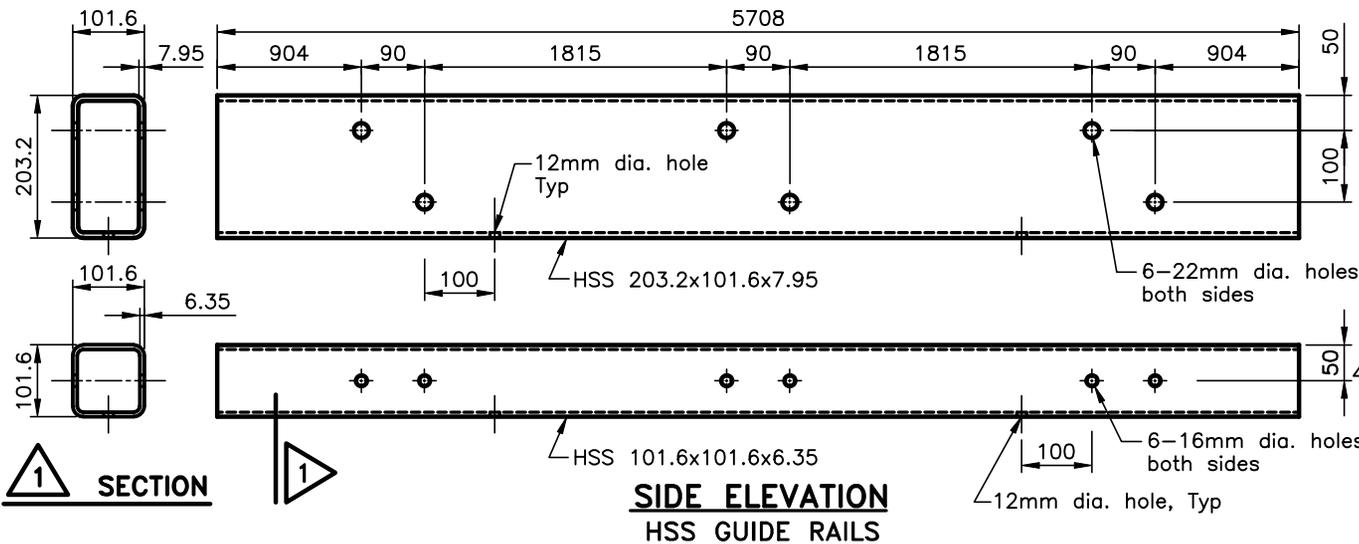
NOTES:

1. This dimension to be not less than 600mm for 340mm anchor rod embedment.
- A. This Standard to be read in conjunction with SS10-50A and SS10-50C.
- B. The anchorage assembly (including anchor rods, nuts, and washers), base plates, and posts shall be hot-dip galvanized.
- C. Grout shall not be used under base plates. Thin pad of epoxy grout may be used when required for filling the voids under the base plate.
- D. Post anchoring nuts shall be tightened to a snug fit condition and given an additional 1/3 of a turn.
- E. Anchor rods, washers, and nuts shall conform to ASTM A449.
- F. All dimensions are in millimetres unless otherwise shown.

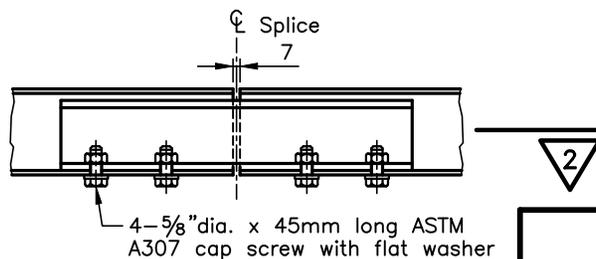
**BOX BEAM GUIDE RAIL ON CURB
POST AND BASE DETAIL
PERFORMANCE LEVEL 2**

Date	July 2014	Rev	
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SS10-50B



SECTION 2



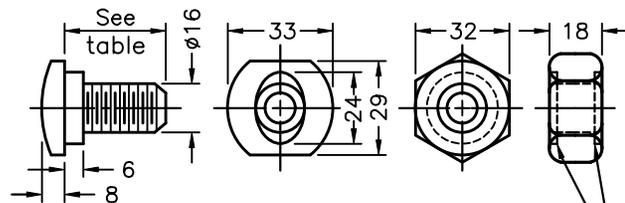
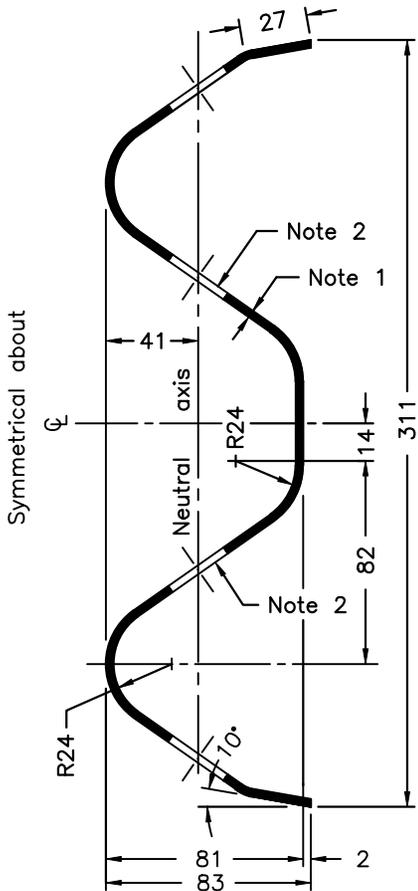
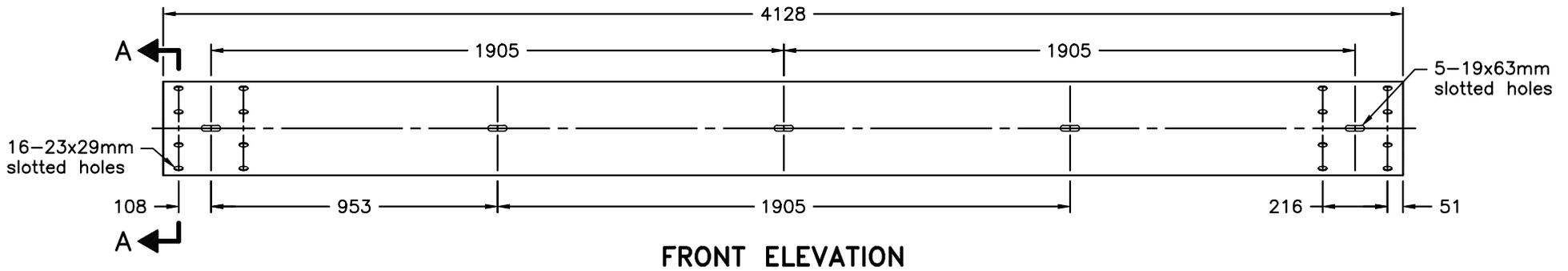
NOTES:

- This Standard to be read in conjunction with SS10-50A and SS10-50B.
- HSS guide rails, rail splices, and fasteners shall be hot-dip galvanized. Locknuts shall be zinc-plated according to ASTM-B695.
- Holes in HSS guide rails may be drilled in the field.
- Galvanizing on mating surfaces of rails to have uniform thickness not exceeding 0.15mm to ensure sliding fit.
- Bolts in rail splices shall be tightened to a condition that will allow rail movement.
- All dimensions are in millimetres unless otherwise shown.

**BOX BEAM GUIDE RAIL ON CURB
RAIL AND SPLICE DETAIL
PERFORMANCE LEVEL 2**

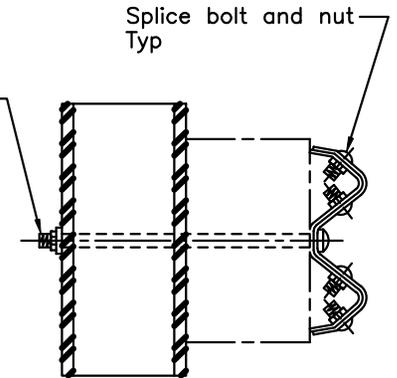
Date	July 2014	Rev	
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SS10-50C



SPLICE BOLT LENGTH	
LOCATION	LENGTH
At posts	32
At structure anchor	38

Post bolt and nut with washer as specified on assembly drawings OPSD 912.130,

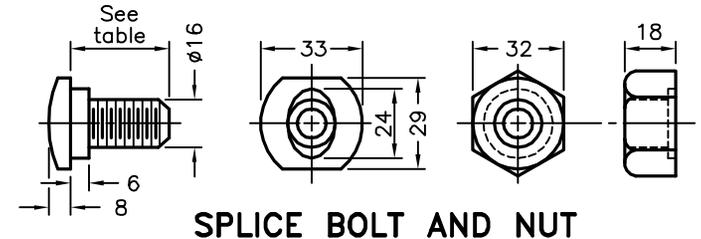
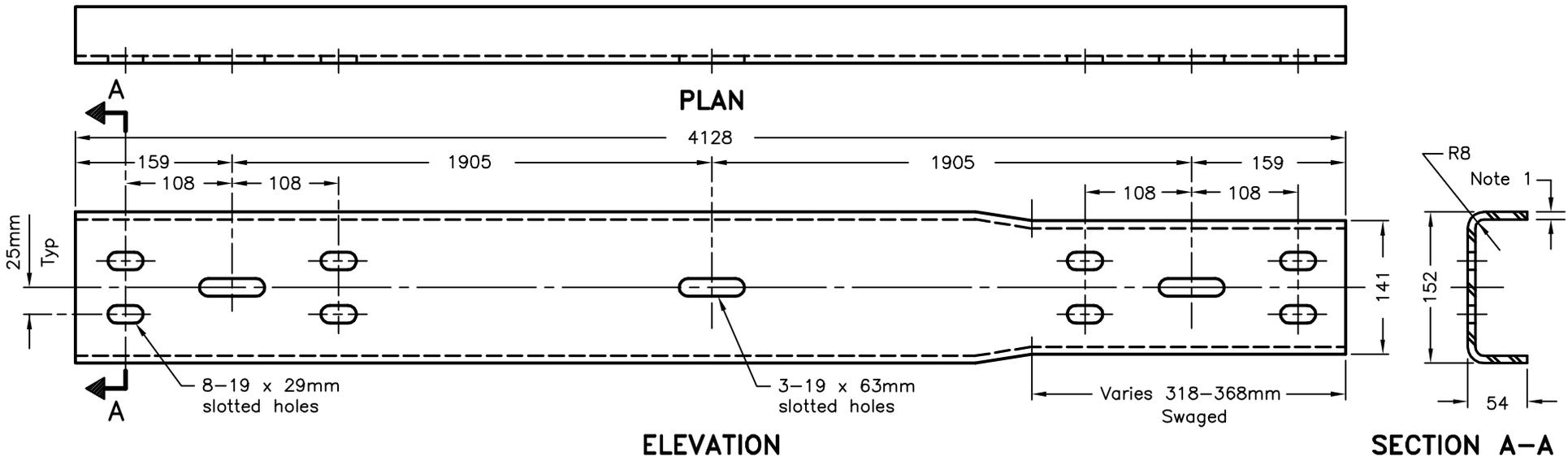


NOTES:

- 1 Base metal thickness of rail shall be 2.67mm nominal and 2.44mm minimum.
- 2 Holes only in rail.
- A All dimensions subject to manufacturing tolerances unless otherwise indicated.
- B All dimensions are in millimetres unless otherwise shown.

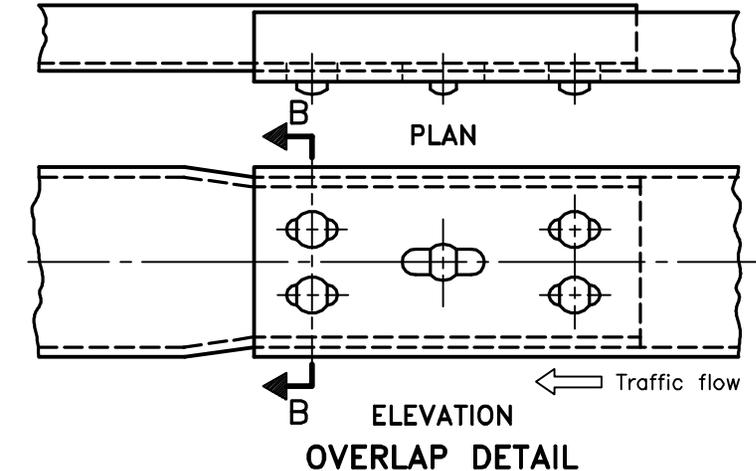
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2024	Rev 4	
GUIDE RAIL SYSTEM, STEEL BEAM RAIL COMPONENT	-----		

OPSD 912.101			



SPLICE BOLT AND NUT

SPLICE BOLT LENGTH	
LOCATION	LENGTH
At posts	32
At structures	64



OVERLAP DETAIL

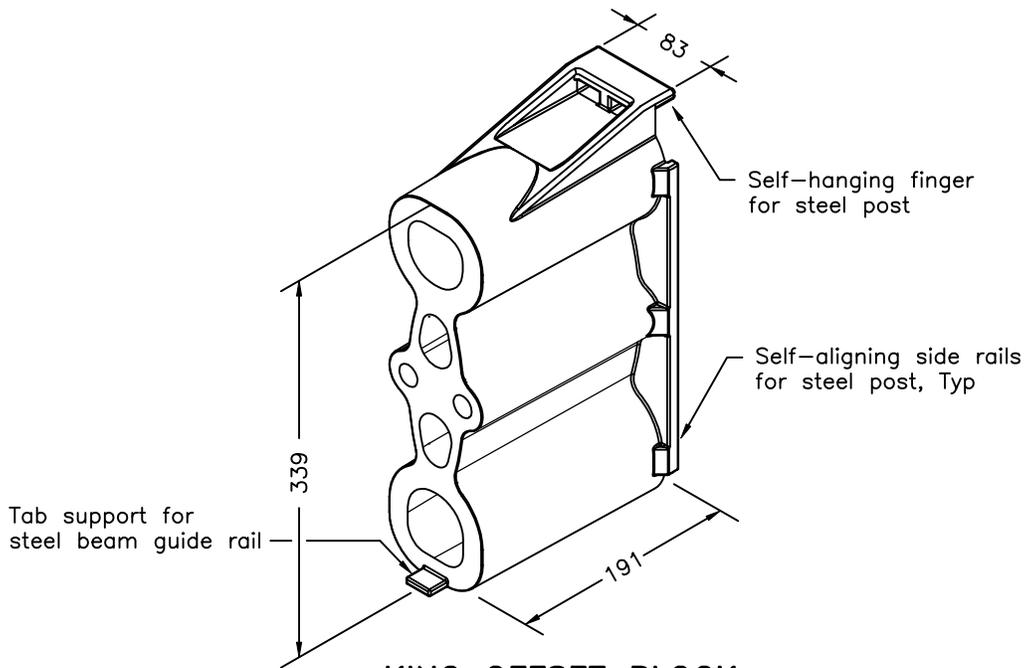
NOTES:
 1 Base metal thickness of channel shall be 4.0mm nominal and 3.8mm minimum.
 A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING
**GUIDE RAIL SYSTEM, STEEL BEAM
 CHANNEL
 COMPONENT**

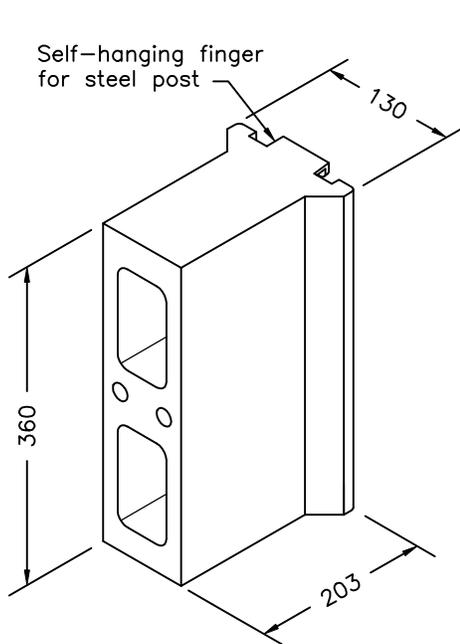
Nov 2016 Rev 2

OPSD 912.102

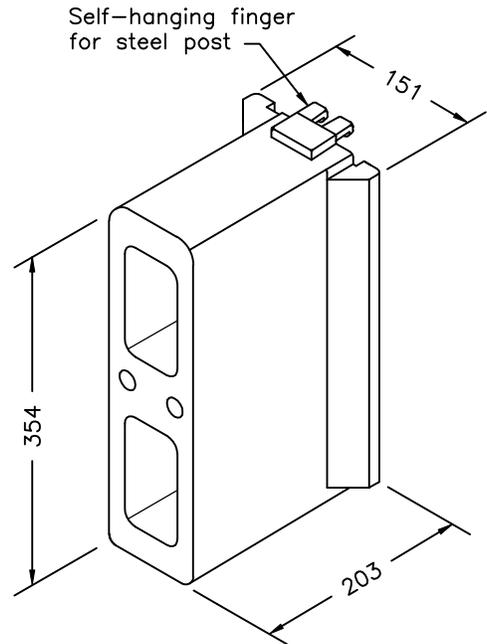




KING OFFSET BLOCK
NOTE 1



MONDO OFFSET BLOCK
NOTE 2



P-BLOCK
NOTE 3

NOTES:

- 1 The component depicted is proprietary to Trinity Industries, Inc.
- 2 The component depicted is proprietary to Mondo Polymer Technologies.

- 3 The component depicted is proprietary to R.G. Steel Corp.
- A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

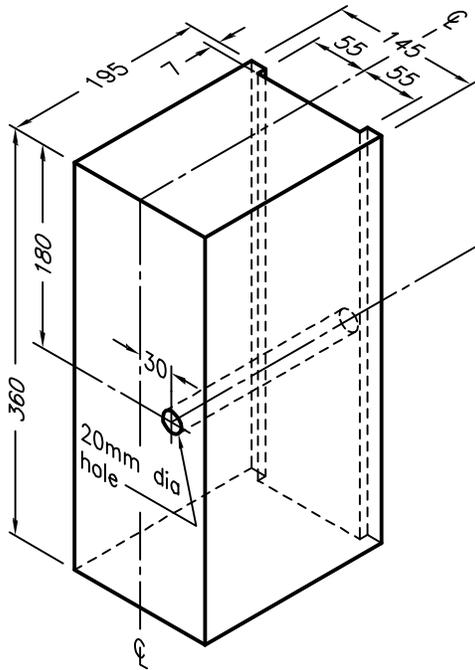
Nov 2021

Rev 4

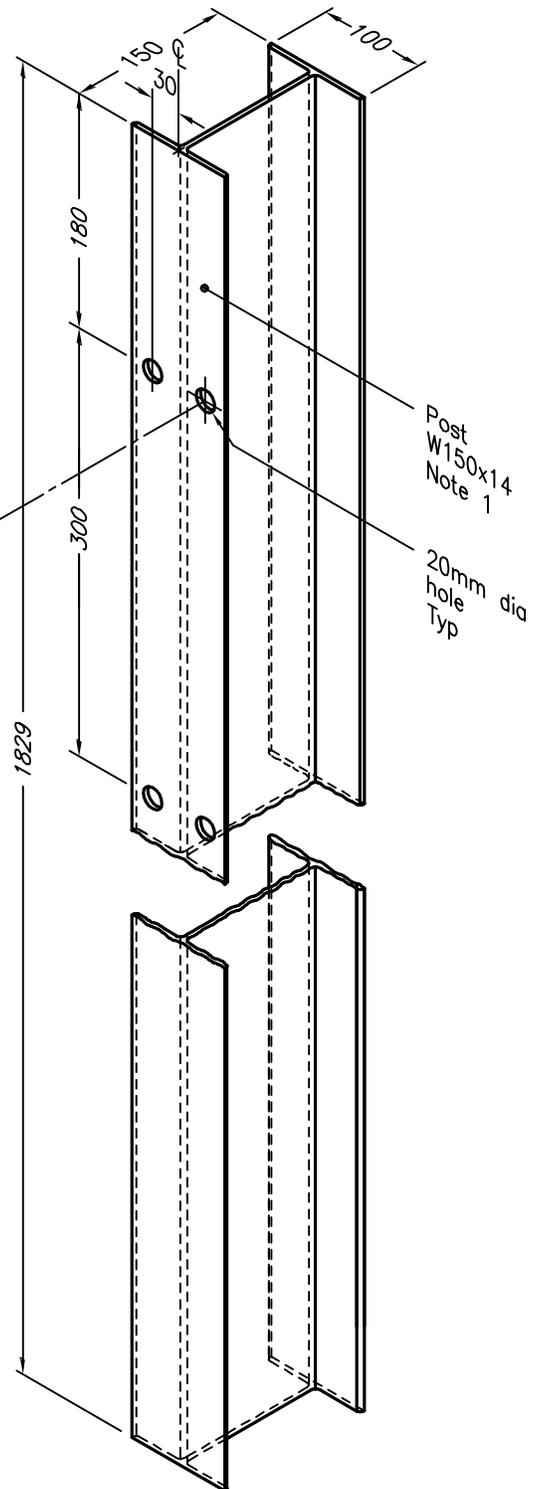
**GUIDE RAIL SYSTEM, STEEL BEAM
PLASTIC OFFSET BLOCKS
COMPONENT**



OPSD 912.103



ROUTED WOODEN OFFSET BLOCK

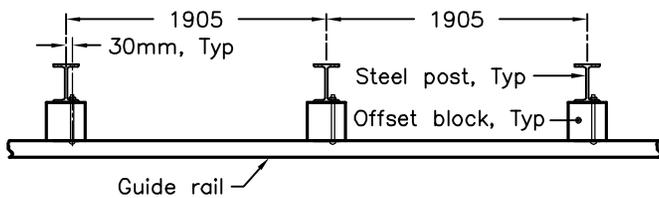


POST DETAIL

NOTES:

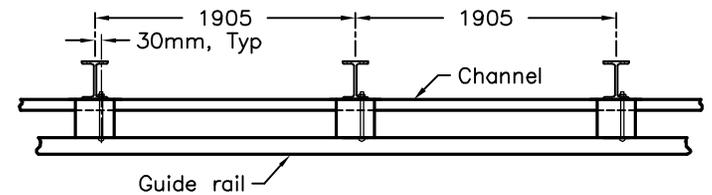
- 1 Imperial size steel sections W6x9 and W6x8.5 are acceptable.
- A All dimensions are in millimetres unless otherwise shown.

<p>ONTARIO PROVINCIAL STANDARD DRAWING</p>	<p>Nov 2016</p>	<p>Rev 3</p>	
<p>GUIDE RAIL SYSTEM, STEEL BEAM STEEL POST WITH WOODEN OFFSET BLOCK COMPONENT</p>	<p>OPSD 912.104</p>		

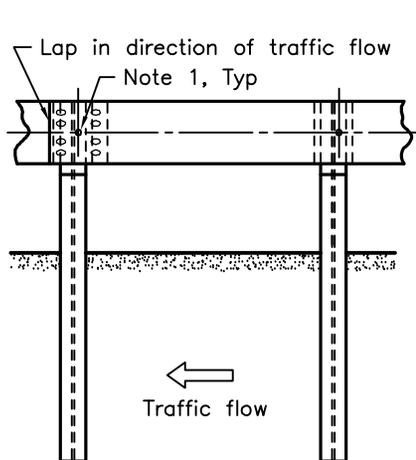


PLAN

POST BOLT	
Post Bolt Size and Type	Washer @ Nut
(A) 16x250 BH	Plate
(B) 16x100 CaB	Plate

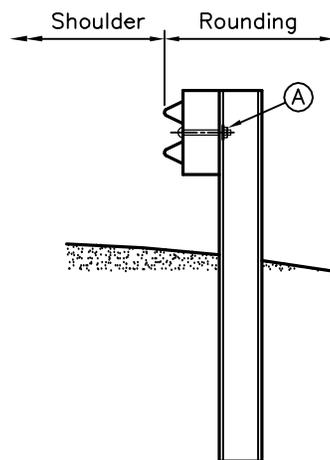


PLAN

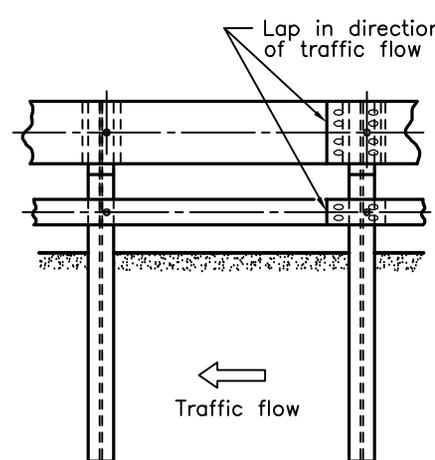


ELEVATION

SINGLE RAIL

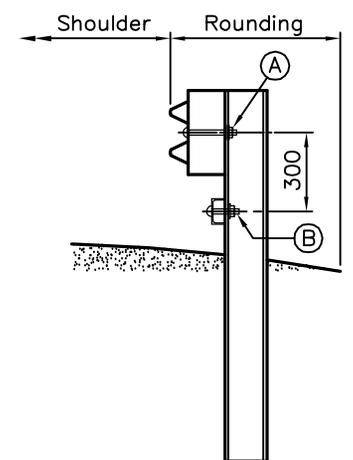


SIDE VIEW



ELEVATION

SINGLE RAIL WITH CHANNEL



SIDE VIEW

NOTES:

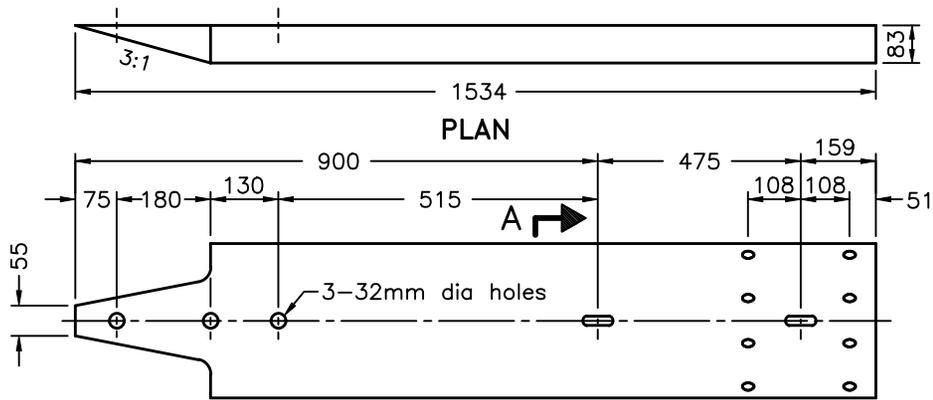
1 Washer shall not be installed at front face of rail. One bolt located at centre of steel beam guide rail.

A This OPSD to be read in conjunction with OPSD 912.101, 912.102, 912.103, and 912.104.

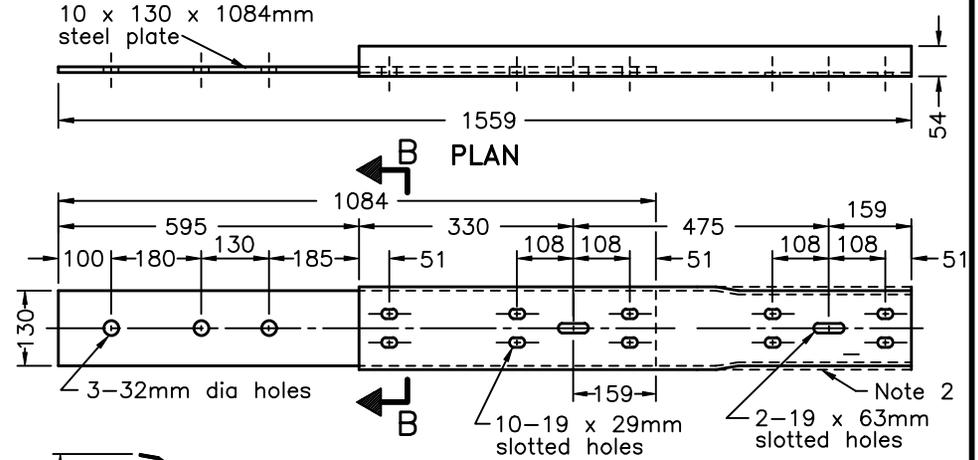
B Steel beam guide rail mounting heights shall be as specified.

C All dimensions are in millimetres unless otherwise shown.

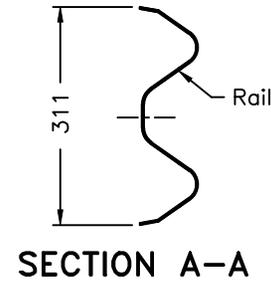
ONTARIO PROVINCIAL STANDARD DRAWING GUIDE RAIL SYSTEM, STEEL BEAM STEEL POST WITH OFFSET BLOCK ASSEMBLY INSTALLATION - SINGLE RAIL	Nov 2016	Rev	3	
	OPSD 912.130			



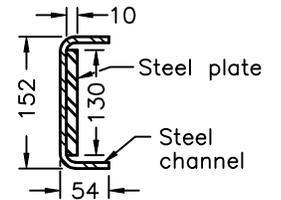
**ELEVATION
ANCHORAGE BACKUP RAIL**



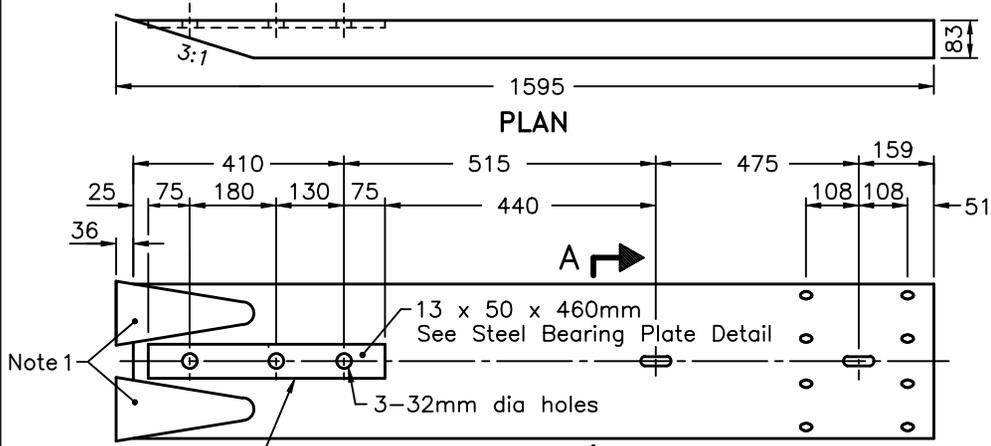
**ELEVATION
CHANNEL**



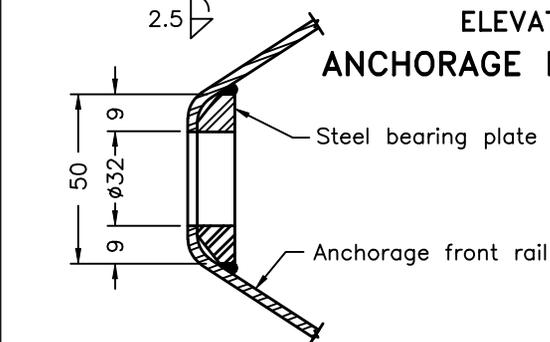
SECTION A-A



SECTION B-B



**ELEVATION
ANCHORAGE FRONT RAIL**

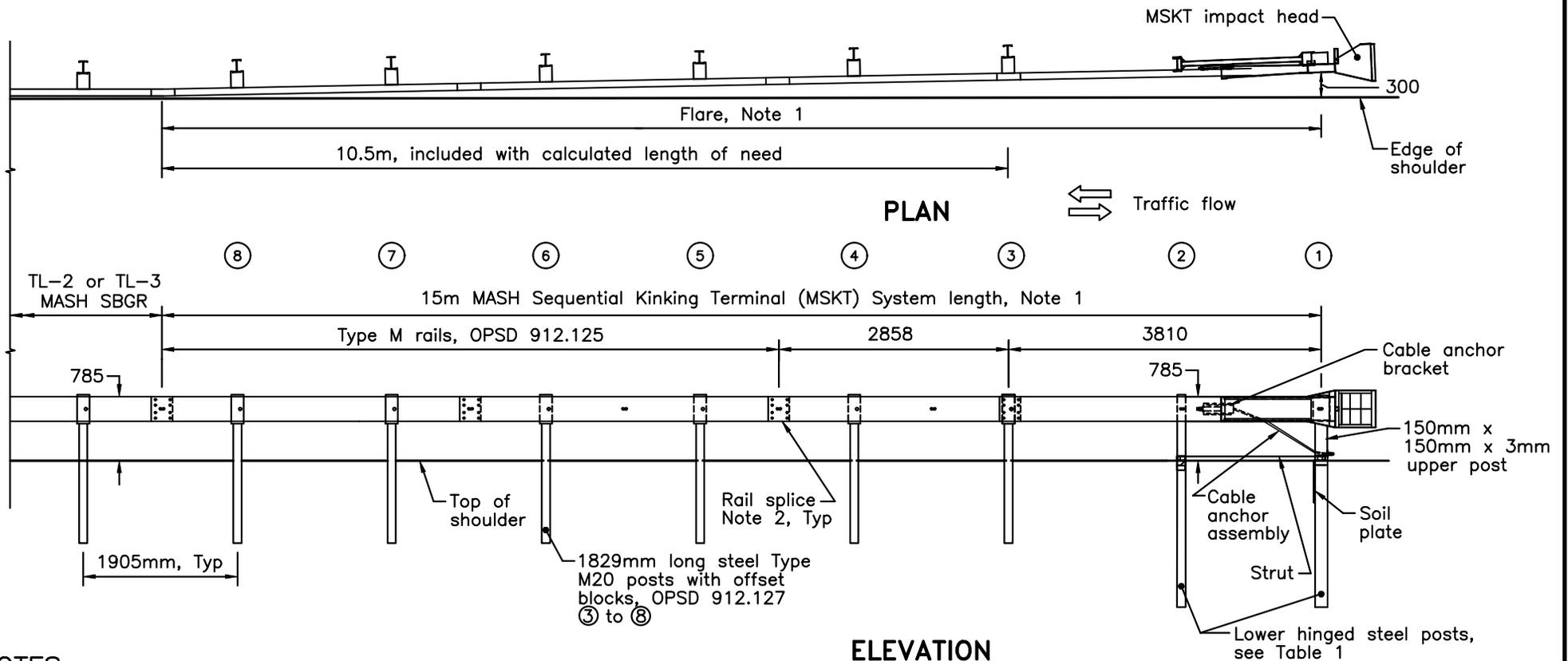


STEEL BEARING PLATE DETAIL

NOTES:

- 1 End sections shall be welded with 2.5mm fillets and standard guide rail element materials shall be used.
- 2 Channel with swaged end shall be used at structure approach and non-swaged end section shall be used at structure exit.
- A All welds shall be according to CSA W59, low hydrogen classification, and ground smooth.
- B This OPSD to be read in conjunction with OPSD 912.101 and 912.102.
- C All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Apr 2024	Rev	2	
GUIDE RAIL SYSTEM, STEEL BEAM STRUCTURE CONNECTION				
COMPONENT - RAIL AND CHANNEL				
OPSD 912.401				



NOTES:

- 1 The system length shall be installed in a straight line at a 50:1 flare rate or parallel to roadway when specified
- 2 This OPSD shows right shoulder approach end installation with rail element splices lapped in direction of traffic. For leaving end installation, rail element splices shall be lapped in direction of traffic.
- A This OPSD shows right shoulder installation. The MSKT shall be inverted for left shoulder installation.
- B Delineation shall be according to OPSD 984.201 and 984.202.
- C The system depicted here is a proprietary product.
- D System configuration meets AASHTO MASH TL-3.
- E This OPSD shall be read in conjunction with OPSD 202.031 or 202.032 as specified.
- F All dimensions are in millimetres unless otherwise shown.

Table 1		
Hinged Steel End Posts, Imperial size steel section referenced		
Post	1	2
Lower	W6x15 1.8m long	W6x9 1.8m long

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2024	Rev	2	
ENERGY ATTENUATOR, END TREATMENT STEEL BEAM ENERGY ATTENUATING TERMINAL MASH SEQUENTIAL KINKING TERMINAL SYSTEM - INSTALLATION	----- -----			
OPSD 922.186				