

Solicitation ET025-212229/A
Lockport, MB, St. Andrews Lock and Dam, Bridge Deck Replacement
Bidders' Conference, March 16, 2021, held by Zoom

Meeting Minutes

Attendees:

Public Services and Procurement Canada Representatives:

Dan McRuer - Real Property Contracting

Heather Treichel - Communications

Kelsey Debets - Client Service Director, Western Region

La Vona Parker - Office of Small and Medium Enterprises

Malcolm Leong - Engineering Assets, Infrastructure Asset Management

Mark Schneider - Real Property Branch

Associated Engineering Ltd. Representative:

Stephen Chiasson

Registered Contractors and Suppliers:

Firm Name	Contact Name	Contact Email
Bird Construction	Jeff Provost	jeff.provost@bird.ca
Canadian First-Aid Training Ltd.	Christian Clavelle	CC@Canadian-Training.ca
Carlson Commercial	Mike Fernstrom	mike@carlsoncommercial.ca
Chief Peguis Industries	Toby Laviolette	tobywinnipeg@shaw.ca
Gateway Construction & Engineering. Ltd.	Marc Baril	marc@gatewayconstruction.ca
Graham Construction & Engineering LP	Jaret Hiebert	jaret.hiebert@graham.ca
Julmac Contracting	Derek Martin	estimating@landformcivil.ca
Kinetic Machine Works Ltd.	Dale Place	dplace@kineticmachine.com
M D Steele Construction Ltd.	Roger Tuk	rtuk@mdsteele.mb.ca
McCaine Electric	Brenden Rockwell	brockwell@mccaine.com
Meseyton Construction Ltd.	Danny Bekerman	danny@meseyton.com
PCL Constructors Inc.	Kenneth Cullinane	kncullinane@pcl.com
Steel River Energy Services Ltd.	Kevin Shattler	Kevin.shattler@steelrivergroup.com
Waste Easy Indigenous Solutions Inc.	Darrel Olson	dolson@wasteeasyis.com
Western Construction Services Inc.	Konstantin Netzer	knetzer@westerncsi.ca

The meeting commenced at 11:04 am.

1. Mark Schneider welcomed the attendees and provided a Land Acknowledgement.
2. Malcolm Leong provided opening comments.

3. Dan McRuer provided an overview of the solicitation document (please refer to the attached slides for more detail).

4. Mark Schneider provided an overview of the mandatory qualifications and the Indigenous Opportunity Considerations (please refer to the attached slides for more detail).

5. A five minute health break was observed.

6. Stephen Chiasson provided an overview of the project and Specifications (please refer to the attached slides for more detail).

7. La Vona Parker provided a presentation on contracting with the Government of Canada (please refer to the attached slides for more detail).

8. Time was then given for questions and contractor introductions. No questions were asked and Kevin Shattler from Steel River Energy Services Ltd. gave an introduction.

The meeting concluded at 12:49 pm.

Bidders Conference



St Andrews Lock and Dam Bridge Deck Replacement and Rehabilitation

Solicitation Number:
ET025-212229/A

Closing Date:
13 April 2021

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au service des
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St. Andrews Lock and Dam Bridge Deck Replacement – Bidders Conference – 16 March 2021

Dan McRuer, Contracting Authority, Public Services and Procurement Canada

Mark Schneider, CD P.Eng, Project Manager, Public Services and Procurement Canada

Stephen Chaisson, P.Eng, Consultant, Associated Engineering

La Vona Parker – Office of Small and Medium Enterprises, Public Services and Procurement Canada

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Contracting Authority:

Dan McRuer

dan.mcruer@pwgsc-tpsgc.gc.ca

Solicitation Closing Date:

Tuesday, April 13, 2021 at 2:00 pm (CDT)



Overview of Invitation to Tender (ITT)...

- Two-Envelope ITT with Indigenous Opportunity Considerations (IOC).

- Order of Evaluation:

Section 1 – Technical Bid: Qualifications evaluation.

Based on the mandatory requirements in Appendix 5. Evaluation will be Pass or Fail.

Section 2 – Financial Bid: Price and IOC evaluation.

Bid and Acceptance Form, Combined Price Form (Appendix 1), Bid Security, Listing of Subcontractors and Suppliers (Appendix 3) and the IOC criteria found in Appendix 6.

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...Overview of Invitation to Tender (ITT)...

- Basis of Selection – Responsive Bid with the highest combined rating of Indigenous Opportunity Considerations Merit and Price.
- Enquiries must only be directed to the Contracting Authority and should be received no later than 7 calendar days prior to the solicitation closing date. [SI03]
- Bids can be submitted by hard copy or by epost Connect. [SI07]



...Overview of Invitation to Tender (ITT)...

- Due to the impacts of the COVID-19 pandemic and to encourage physical distancing, the bid receiving unit in Winnipeg will remain open but with limited staff and limited hours: **Monday, Wednesday, Thursday and Friday, 9 am to 11 am, and Tuesday, 9 am to 2 pm (local time)**. Please monitor buyandsell.gc.ca closely as changes to bid closing dates may be necessary.



...Overview of Invitation to Tender (ITT)...

- The facsimile number for receipt of bid revisions is **1-418-566-6167**. [SI09]
- Bid Security – Bid Bond must be an original signed and sealed hard copy or an original electronic digital bond (E-Bond). A scanned copy of a bond does not constitute a digital bond. [SI06]
- Optional Virtual Site Visits will be held on March 23 and 30. [SI05]



...Overview of Invitation to Tender (ITT)...

- Electronic Media Package [SI18]
 - Email the Contracting Authority to request an invitation to Autodesk BIM 360.
- Bid and Acceptance Form (BA) [pg 17]
 - Bid validity period is 60 days.
 - The Contractor must perform and complete the Work within 73 weeks from the date of notification of acceptance of the offer.
- Appendix 1 - Combined Price Form [pg 18]
 - Unit Price Table



...Overview of Invitation to Tender (ITT)...

- Appendix 2 - Integrity Provisions - List of Names [pg 19]
- Appendix 3 - Listing of Subcontractors and Suppliers. [pg 20]
Must submit the completed table.
- Appendix 4 – Voluntary Certification to Support the Use of Apprentices [pgs 21-22]
- Appendix 5 – Qualification Form [pg 23]
- Appendix 6 – Indigenous Opportunity Considerations [pgs 24-41]



...Overview of Invitation to Tender (ITT)

- Annex A – Indigenous Opportunity Considerations – Eligibility for Indigenous Procurement [pg 42]
- Annex B – Certificate of Insurance [pgs 43-44]
 - Commercial General Liability
 - Builder's Risk / Installation Floater
 - Pollution Liability
- Annex C – Voluntary Report For Apprentices Employed During The Contract [pg 45]



...Overview of Invitation to Tender (ITT)

- Firms intending to submit bids on this project should obtain bid documents through the GETS service provider on the Government of Canada Web site at <http://buyandsell.gc.ca/procurement-data/tenders>. Firms that obtain bid documents from a source other than the official site run the risk of not receiving a complete package.



...Overview of Invitation to Tender (ITT)

- List of Interested Suppliers.
 - General contractors, sub-contractors and suppliers are encouraged to self-identify for this tender using the link on the BuyandSell.gc.ca tender notice page.
 - The Contracting Authority can email the link if firms are having difficulty locating it.

The screenshot shows the BuyandSell.gc.ca website. The main heading is "Lockport, MB, St. Andrews Lock and Dam, Bridge Deck Replacement and Rehabilitation (ET025-212229/A)". Below this, there is a yellow banner with the text "The Government of Canada needs products and services in support of Canada's response to COVID-19. Learn how to supply a needed product or service." Another yellow banner below that says "New! CanadaBuys is here! Suppliers register today! Register now to ensure you transition to doing business with the new Government of Canada procurement service. Click here to get started." The main content area is titled "Tender Notice - Notice of Proposed Procurement (NPP)". It includes a table with the following information:

Dates	
Publication date	2021/03/02
Amendment date	None
Date closing	2021/04/13 14:00 Central Daylight Time (CDT)

Below the table, there is a "Details" section with two columns:

GSIN	Region of delivery
5132A: Bridges, Elevated Highways, Tunnels, Subways and Railroads	Manitoba
5132C: Waterways, Harbours, Dams and Other Water Works	

Below this, there is a "Description" section with the following text:

Trade Agreement: CETA / WTO-AGP / CPTPP / CFTA
Tendering Procedures: All interested suppliers may submit a bid
Competitive Procurement Strategy: Best Overall - Proposal

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Departmental Representative:

Mark Schneider

Solicitation Closing Date:

Tuesday, April 13, 2021 at 2:00 pm (CDT)



BID AND ACCEPTANCE FORM (BA)

- **BA04 BID VALIDITY PERIOD**

- The bid must not be withdrawn for a period of **60 days** following the date of solicitation closing.

- **BA06 CONSTRUCTION TIME**

- The Contractor must perform and complete the Work within **73 weeks** from the date of notification of acceptance of the offer.



APPENDIX 5 - QUALIFICATION FORM

- **Mandatory Requirements:**
 - Provide Project details including title, location, construction cost, dates, role, and client reference contact, as well as any other appropriate information to fully demonstrate:

APPENDIX 5 - QUALIFICATION FORM

Section One "Qualifications" will be reviewed prior to the price component of the Financial Bid. Section One will be reviewed to evaluate the submittal requirements. Requirements will be evaluated on a **Pass or Fail basis**. Failure to meet any or all of the mandatory requirement(s) will render the bid non-compliant and no other consideration will be given to the bid. Section Two will not be considered.

Mandatory Requirements:

Provide Project details including title, location, construction cost, dates, role, and client reference contact, as well as any other appropriate information to fully demonstrate the following:

- Demonstrate that the Prime Contractor (and/or Joint Venture partner) completed work on three (3) bridges within the last ten (10) years, each project to have a total construction value greater than \$10M. One of the bridges shall have been a steel truss bridge.
Pass or Fail based on list of projects with supporting details.
- Demonstrate that the Bridge Jacking specialist (Prime Contractor or sub-contractor) has heavy lift experience dealing with bridge jacking of similar size and scope in the last 10 years.
Pass or Fail based on previous project(s) and additional information to confirm similar size and scope.
- Demonstrate that the named Quality Manager has a professional certification (PEng, A.Sc.T, CET, etc) and minimum of ten (10) years' experience in monitoring an accepted quality management plan for construction of bridges, or other heavy civil projects, with a minimum construction value of \$10M.
Pass or Fail with proof of current professional certification, and additional information to demonstrate required experience and project dollar amounts.
- Demonstrate that the named Traffic Signal Specialist is a Professional Engineer registered in the Province of Manitoba and has a minimum ten (10) years' experience in providing traffic signal design, and has specific experience in assessment and re-timing of traffic signals at intersections and service interchanges, utilizing commercial traffic modelling software (such as Synchro plus SimTraffic).
Pass or Fail with proof of professional certification and additional information to demonstrate required experience.
- Demonstrate that the named Avian Ecologist has a minimum of ten (10) years' experience directly related to wildlife ecology in support of environmental construction monitoring, and has conducted:
 - aural and visual identification, and behavioural monitoring of migratory and non-migratory birds (e.g., point counts, breeding bird surveys), wildlife, and Species of Conservation Concern (SOCC) (including Species at Risk [SAR]) that have the potential to occur within an area;
 - Attracting/luring colonial songbird species to artificial nesting structures using audio/playback techniques and habitat modifications;
 - Conducting bird and wildlife habitat assessments, and identifying local flora and fauna (including SOCC and associated habitats);
 - Completing avian collision/mortality assessments and monitoring;
 - Conducting environmental construction monitoring.Pass or Fail based on list of projects with additional supporting details to outline required experience.
- Demonstrate that the Coating Firm (Prime Contractor or sub-contractor) holds a valid SSPC QP6 Thermal Spray (Metalizing) certification as developed by The Society For Protective Coatings under their Painting Contractor Certification Program.
Pass or Fail based on providing certification.



APPENDIX 6 – INDIGENOUS OPPORTUNITY CONSIDERATIONS

- Basis of Selection - Highest Combined Rating of Indigenous Opportunity Considerations Merit and Price
- 1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria; and
 - c. obtain the required minimum of “30” points overall for the IOC merit criteria which are subject to point rating. The rating is performed on a scale of 100 points.



APPENDIX 6 – INDIGENOUS OPPORTUNITY CONSIDERATIONS

- 2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
- 3. The selection will be based on the highest responsive combined rating of IOC merit and price. The ratio will be 10% for the IOC merit and 90% for the price.

Basis of Selection - Highest Combined Rating Price (90%) and IOC Merit (10%)				
		Bidder 1	Bidder 2	Bidder 3
Overall IOC Score		85/100	66/100	71/100
Bid Evaluated Price		\$55,000.00	\$50,000.00	\$45,000.00
Calculations	IOC Merit Score	$85/100 \times 10 = 8.5$	$66/100 \times 10 = 6.6$	$71/100 \times 10 = 7.1$
	Pricing Score	$45/55 \times 90 = 73.64$	$45/50 \times 90 = 81.00$	$45/45 \times 90 = 90.00$
Combined Rating		82.14	87.60	97.10
Overall Ranking		3rd	2nd	1st

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ANNEX A – INDIGENOUS OPPORTUNITY CONSIDERATIONS – ELIGIBILITY FOR INDIGENOUS PROCUREMENT

- “Indigenous Business” means an entity that meets the eligibility requirements for the Aboriginal Procurement Set-Aside
- <http://www.sac-isc.gc.ca/eng/1100100032808/1612398410366>
- An Indigenous person is an Indian, Metis or Inuit who is ordinarily resident in Canada.



PART A – INDIGENOUS OPPORTUNITY CONSIDERATIONS

Evaluation and Assessment of IOC Commitment

- Bidders should provide a written plan of engagements, measures and proposed procedures to be taken to deliver on the Indigenous training, labour, subcontracting/supplier commitments made below.
- Bidders may use the attached Commitment Tables to supplement their IOC submission.
- Bidders that do not provide sufficient documentation to demonstrate how they will meet their commitment may be given 2 calendar days to provide additional supporting information. Bidders that fail to provide the additional information within the allotted time period will receive a score of 0 regardless of the commitment made under the respective criterion and will not be eligible for an incentive. Conversely, one cannot change their commitments by providing additional information.
- Canada reserves the right to verify any information provided in the IOC and that untrue statements may result in the tender being declared non-responsive.

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IOC Bid Criteria

- 1.1 LABOUR
- Bidders will be evaluated on their firm commitment to employ on-site Indigenous people in carrying out the work. The percentages identified below relate specifically to on-site labour hours regardless of whether they are Prime Contractor staff and/or subcontractor staff.

0 - 10% of total on-site labour hours	0 - 20 points
11 - 20% of total on-site labour hours	21 - 30 points
21 - 30% of total on-site labour hours	31 - 39 points
>30% of total on-site labour hours	40 points

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IOC Bid Criteria

- 1.2 SUBCONTRACTORS/ SUPPLIERS
- Bidders will be evaluated on their firm commitment to use Indigenous subcontractors for services or the procurement of supplies and equipment from Indigenous owned businesses

0 - 10% Indigenous Contracting

0 - 20 points

11 - 20% Indigenous Contracting

21 - 30 points

21 - 30% Indigenous Contracting

31 - 39 points

> 30% Indigenous Contracting

40 points

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IOC Bid Criteria

- 1.3 Training and Skills Development - Hours
- Bidders will be evaluated on their undertaking of a commitment with respect to delivery of skills developmental training, apprenticeship programs, school programs, internal/external training and other applicable training programs for Indigenous people of Canada.
 - Indigenous participation in training and skill development programs that are included in the scope of the contract are not eligible for consideration.

<u>Example</u>	Bidder 1	Bidder 2	Bidder 3
Commitment (Hours)	20	35	60
Calculation of Points	20/60 = 33% of total points available	35/60 = 58% of total points available	60/60 = 100% of total points available

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IOC Bid Criteria

- 1.4 Training and Skills Development - \$
- Bidder will be evaluated on the total dollar value commitment to train and develop skills for Indigenous people of Canada.
 - Labour rates for apprenticeship on-the-job, or in-house training, and/ or other training/ skill development that has already been captured in 1.2 On-Site Labour – Financial Commitment cannot be captured in this criteria again.

<u>Example</u>	Bidder 1	Bidder 2	Bidder 3
Commitment (\$ value)	20	35	60
Calculation of Points	20/60 = 33% of total points available	35/60 = 58% of total points available	60/60 = 100% of total points available



INDIGENOUS OPPORTUNITY CONSIDERATIONS INCENTIVE AND DEDUCTION CONDITIONS

- 1. Under the provisions of the proposed contract, where the contractor meets the commitments specified and certified in his bid, the contractor will be paid the agreed contract price.
- 9. Contractors who exceed the IOC commitment under one criterion but fall short on the other may be evaluated for a deduction and an incentive. The Indigenous Incentive and Deduction Conditions as specified above will be assessed based on the formulas identified herein.
- 12. Canada reserves the right, at their sole discretion, to reduce or eliminate deductions if it can be clearly demonstrated that significant efforts were made to meet the IOC commitment and the minimum requirements could not be met due to circumstances out of the Contractor's control.

INDIGENOUS OPPORTUNITY CONSIDERATIONS INCENTIVE AND DEDUCTION CONDITIONS

1. Under the provisions of the proposed contract, where the contractor meets the commitments specified and certified in his bid, the contractor will be paid the agreed contract price.
2. If the contractor does not meet the certified percentage of on-site Indigenous employee hours worked on the Contract and fails to fulfill their on-site Indigenous employment commitment, an amount of up to 4 % of the final contract value may be deducted for non-performance. (Table 1A)
3. If the contractor does not meet the certified percentage of Indigenous subcontractors/Suppliers, and fails to fulfill their Indigenous subcontractors/suppliers commitment, an amount of up to 4 % of the final contract value may be deducted for non-performance. (Table 1B)
4. If the contractor fails to fulfill their Indigenous training commitment, an amount of up to 2 % of the final contract value may be deducted for non-performance. (Table 1C)
5. If the contractor hires additional on-site Indigenous labour above the established employment commitment certified in the bid, which results in Indigenous employment, the contractor may be eligible to request an incentive of up to 2 % of the final contract value that may be paid to the contractor at the end of the project. (Table 2A)
6. If the contractor exceeds the percentage of Indigenous subcontractors/Suppliers commitment certified in the bid, the contractor may be eligible to request an incentive of up to 2 % of the final contract value that may be paid to the contractor at the end of the project. (Table 2B)
7. If the contractor conducts additional Indigenous Training above the established training commitment, which results in Indigenous trainees developing skills as a result, the contractor may be eligible to request an incentive of up to 1 % of the final contract value that may be paid to the contractor at the end of the project. (Table 2C and 2D)
8. Canada limits the maximum incentive to \$1,000,000.
9. Contractors who exceed the IOC commitment under one criterion but fall short on the other may be evaluated for a deduction and an incentive. The Indigenous Incentive and Deduction Conditions as specified above will be assessed based on the formulas identified herein.
10. Canada will have the right to hold back, drawback, deduct or set off from and against the amounts of any monies owing at any time by Canada to the Contractor, any deductions owing and unpaid under this section.
11. Nothing in this section must be interpreted as limiting the rights and remedies which Canada may otherwise have under the Contract.
12. Canada reserves the right, at their sole discretion, to reduce or eliminate deductions if it can be clearly demonstrated that significant efforts were made to meet the IOC commitment and the minimum requirements could not be met due to circumstances out of the Contractor's control.



Project Overview and Key Contract Clauses

- Stephen Chiasson, P.Eng
- Associated Engineering



Overview



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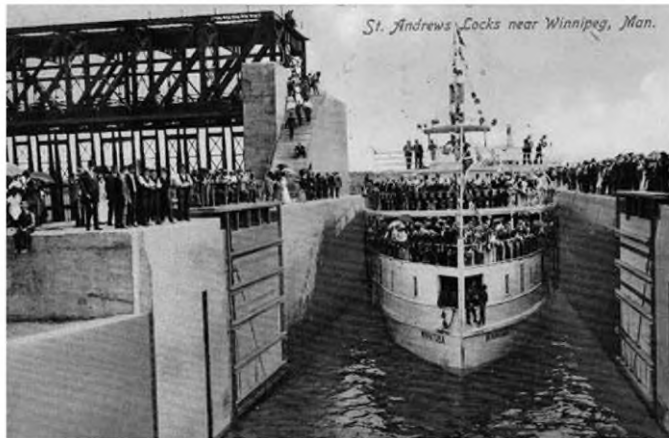
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Bridge History

- Dam Constructed 1900-1910
- Permitted boat traffic to navigate the Red River between Winnipeg and Lake Winnipeg.
- Managed Winnipeg water levels
- Shaped the landscape as well as the development and economies of communities both north and south of its location



St. Andrews Locks near Winnipeg, Man.

Courtesy: Winnipeg Public Library MN1264 &
Donald Luxton & Associates (2020)



Courtesy: Library and Archives Canada
PA 0204078 &
Donald Luxton & Associates (2020)

- The Cameré curtain dam is recognized as “the only surviving moveable dam of its type in the world”
- Traffic bridge completed in 1913; West approach straightened in 1947

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Existing Conditions

- Bridge Concrete Deck has reached the end of its Life Cycle
- Currently posted to 36 tonnes
- Steel Members require coating repairs
- Other Elements Require Repair (Bearings)



Example of Steel Member requiring repair



Example of Bridge Deck Condition



Seized Bearings

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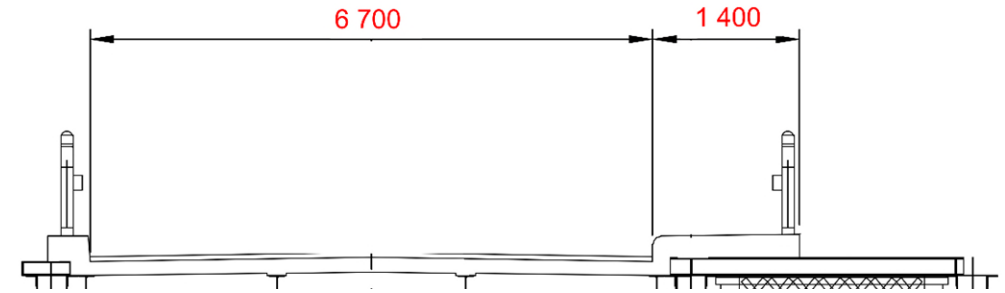
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Existing Conditions

- Current Traffic Lanes are Substandard
- Sidewalk not Separated from Traffic
- Barriers are not Code Compliant
- Staircase on either end of Bridge



Existing Traffic Lane and Sidewalk Widths (Main River Truss Span Shown)



Current Barrier



Current Stairs



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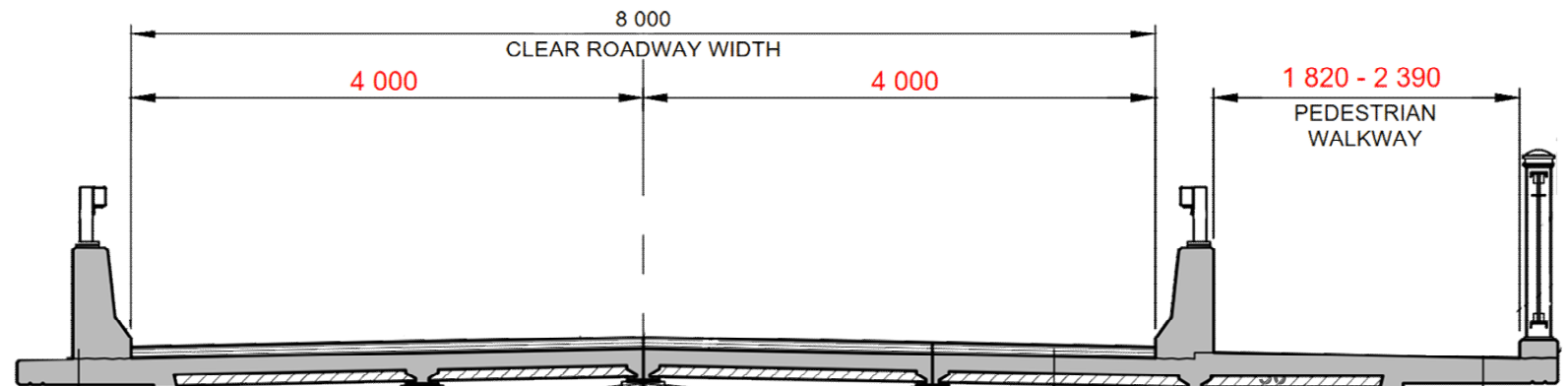
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Planned Bridge Improvements

- Widen Traffic Lanes from 6.7 m to 8.0 m
- Widen Sidewalk from 1.4 m to 2.4 m except where Constrained
 - Offers unobstructed views of the river
- Barrier to Separate Traffic and Pedestrians
- Access Ramps at both Ends of Bridge
- Increase Loading on Bridge to Legal Limits



Example of Concrete Barrier with Top Rail



Planned Traffic Lane and Sidewalk Widths (Main River Truss Span Shown)

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Additional Works

- **Coating Repairs Throughout Structure**
- **Strengthening Steel Members**
- **Bearing Replacements
(Short Term Closures – Fall/Winter)**
- **Accessible Ramps complete with
Pedestrian Lighting**
- **Larger Deck Drains**
- **Upgrades to East/West Concrete Decks &
New Asphalt Pavement**

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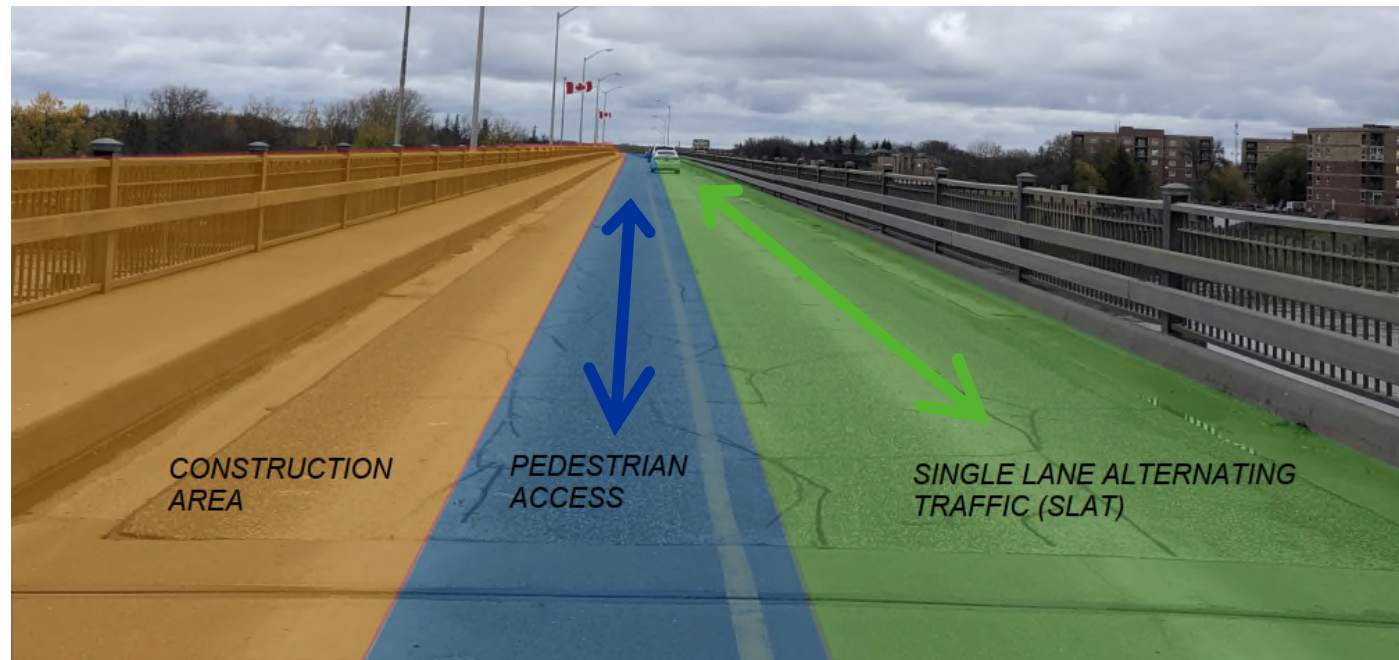
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Construction Staging – Stage 1

- Widen bridge to the North, Existing Traffic in South Lane
- Construct new Sidewalk and Widen North Lane



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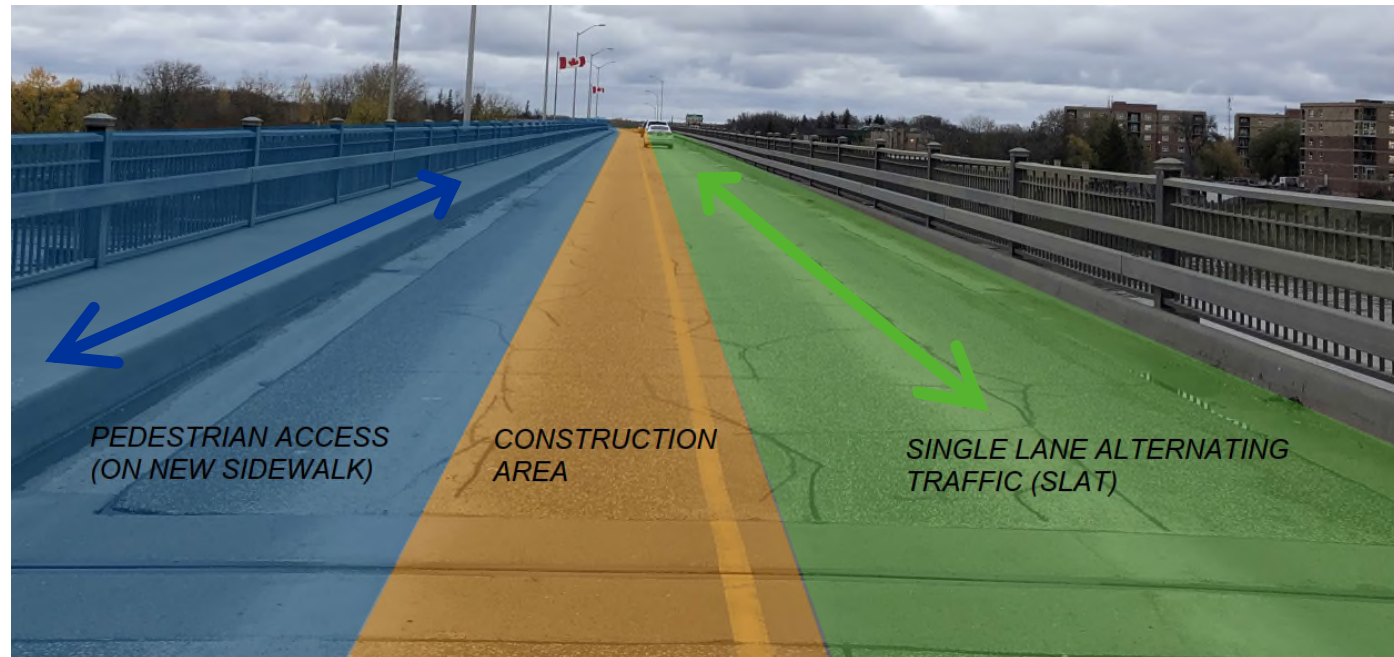
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Construction Staging – Stage 2

- New Sidewalk in place, Traffic Remains in South Lane
- Reconstruct the remainder of the North Lane



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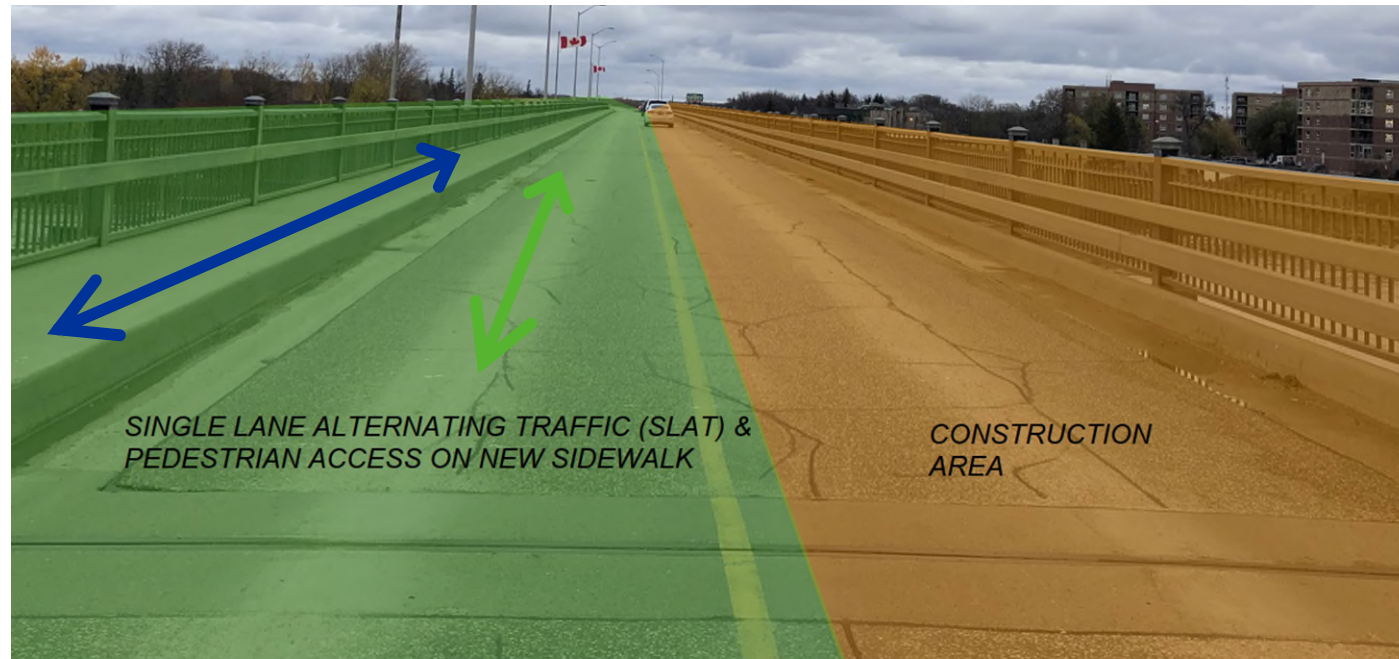
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Construction Staging – Stage 3

- Single Lane Traffic Detour flips from South Lane to New North Lane
- Reconstruct South Driving Lane



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Key Contract Clauses

- 01 11 00 – Summary of Work

Clause 1.23.2.1

St. Andrews Lock and Dam is designated as a National Historic Site, and that the structure may be the only Caméré Curtain Bridge/Dam left in the world. It has national historic significance.

Because of these designations, the processes are guided by Treasury Board Policies on the Management of Real Property concerning heritage assets.



Key Contr

- 01 14 00 – Work Restrictions

Section 1.3 – Dam Operations

The Contractor is reminded that St. Andrews Lock and Dam will be a functioning dam site during the construction period.

This Section discusses some of the specifics of the Dam Operation.



Key Contract Clauses

- 01 14 00 – Work Restrictions

Section 1.5 – Stage 1 Bridge Lighting

This section discusses the specifics for bridge lighting during construction.

Temporary Lighting will be required during the Works until permanent lighting is installed.



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Key Contract Clauses

- 01 14 00 – Work Restrictions

Section 1.6 – Public Use of North Lane During Stage 3

During Stage 3 of the Works, public traffic will be accommodated in the north lane of the structure.

This Section discusses the specifics of putting public traffic in the north lane, including running traffic on bare concrete.



Key Contract Clauses

- 01 14 00 – Work Restrictions

Section 1.7 – Expansion Joints Between Spans

The Contract Drawings show expansion joints being removed, and replaced in 3 stages. The Contractor can follow the procedures provided in the Contract Drawings or, if they choose can follow an alternate procedure.

Regardless of how the expansion joints are installed, prior to completion of the works the Contractor shall install a single piece of the rubber extrusion for the traffic lanes as shown on the Contract Drawings. No joints in the extrusion will be allowed in the final condition.



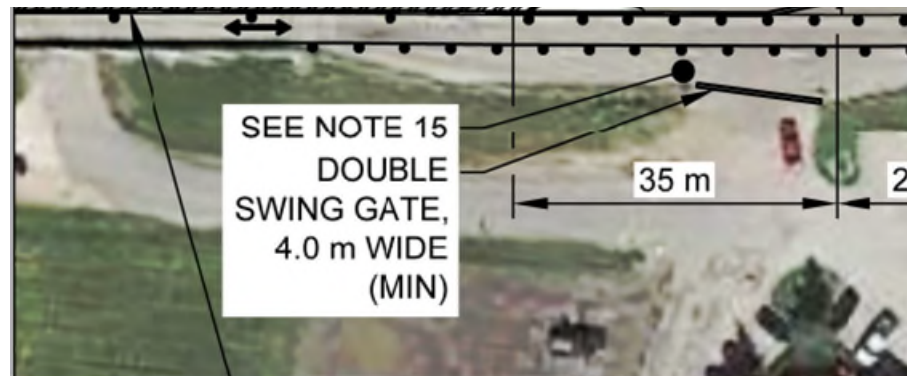
Key Contract Clauses

- 01 14 00 – Work Restrictions

Section 1.9 – Melody Lane Temporary Access

The Contractor shall not to access the PSPC East Yards and East Site area via the temporary road access East of Gaffer's parking lot off of PTH 44.

The Contractor shall direct all construction vehicles under the bridge, or via the locked gate at Melody Lane.



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Key Contract Clauses

- 01 14 00 – Work Restrictions

Section 1.10 – General Construction Restrictions

This Section discusses the general procedures for truss repairs and removal of truss members.



Key Contract Clauses

- 01 14 00 – Work Restrictions

Section 1.13 – Timing of Work

Existing members to be strengthened (Truss Span 1-7 and East Approach) shall be strengthened prior to placement of the concrete deck overlay.



Key Contract Clauses

- 01 35 29.06 – Health and Safety Requirements

Clause 1.1.1

Defines a COVID-19 Event

Section 1.9 – COVID-19

Outlines the specifics related to COVID-19 Health and Safety Planning

Section 1.10 – COVID-19 Officer

The Contractor shall appoint a COVID Officer(s). This Section outlines the specifics related to COVID-19 Officer.



Key Contract Clauses

- 01 35 43 – Environmental Requirements

Section 1.5 – Environmental Protection Plan

The Contractor must prepare a project and site-specific Environmental Protection Plan (EPP). The EPP must outline the applicable sections of the federal and provincial legislation and the measures that will be implemented to ensure compliance with those regulations.

The EPP must identify the environmental sensitivities associated with the project location and proposed activities, including those addressed in the Environmental Effects Evaluation (EEE).

A site-specific Erosion and Sediment Control (ESC) plan must be included as part of the Contractor's EPP.

A site-specific, Migratory and Protected Bird Management Plan must be included as part of the Contractor's EPP.

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Key Contract Clauses

- 01 35 43 – Environmental Requirements

Section 1.6 – Migratory and Protected Birds

The Contractor shall review the EEE to become familiar with the Species of Management Concern (SOMC) such as chimney swifts, cliff swallows, and other migratory bird species.

A minimum setback of 40 m from the workshop on the east side of the project site will be required for all project activities for chimney swifts.



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Key Contract Clauses

- 01 35 43 – Environmental Requirements

Section 1.7 – Migratory and Protected Bird Management

1. The Contractor shall prepare a Migratory and Protected Bird Management Plan for review by the Departmental Representative. at a minimum the plan should include:
 1. The roles and responsibilities of Contractor personnel responsible for the inspection of the site and maintenance of bird deterrents. This includes the Avian Specialist to be retained by the Contractor.
 2. The details of additional deterrents to be installed on the structure in addition to those already installed by PSPC.
 3. The details and sequencing of installation and removal for bird deterrents to be installed throughout the project, including but not necessarily limited to Stage 2 and Stage 3 Works.

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Key Contract Clauses

- 01 35 43 – Environmental Requirements

Section 1.7 – Migratory and Protected Bird Management

The Departmental Representative will install measures to prevent nesting on the existing structure prior to the Contractor accepting control of the site.

The Departmental Representative will continue to conduct visual inspections to assess the presence of birds or bird nests on the structure and around the project site as well as maintain the existing deterrents on site for a period of 30 days following the signing of the Contract, or until the Contractor has mobilized to site, whichever comes first.

After this 30-day period follow signing of the Contract, or after the Contractor mobilizes to site, the Contractor shall assume the risk and responsibility for inspection and maintenance of deterrents.

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Key Contract Clauses

- 01 35 43 – Environmental Requirements

Section 1.7 – Migratory and Protected Bird Management

The inability to receive a reviewed Migratory and Protected Bird Management Plan from the Departmental Representative prior to the expiry of this 30 day period will not relieve the Contractor of his responsibility to assume the site inspection and maintenance requirements of existing deterrents.

For work proceeding during the nesting period, April 1 – August 31 of a given year, a visual inspection of the work area must be conducted to assess the presence of birds or bird nests prior to beginning the project work. If an active nest is detected within the project area, stop work in the vicinity of the nests, notify the Departmental Representative. Construction activities will be suspended within an appropriate setback distance from the nest (to be determined in consultation with the appropriate regulator) until nesting activities are deemed complete by a qualified avian biologist.

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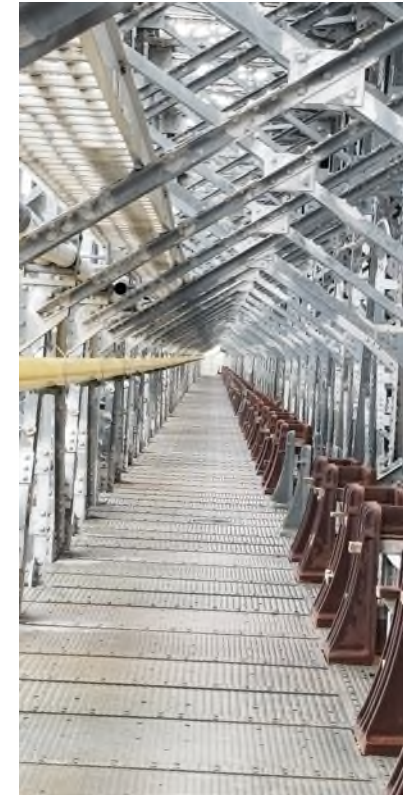
Key Contract Clauses

- 01 41 00 – Regulatory Requirements

Section 1.10 – Working in the Vicinity of Underground Gas Lines

The proposed bridge and embankment widening occurs over an existing 168.3 mm Manitoba Hydro distribution pressure gas main, as well as a 60.3 mm distribution pressure main.

The 168.3 mm distribution gas line is also suspended from Truss C along Truss Spans 1-6.



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Key Contract Clauses

- 01 45 00 – Quality Control

Section 1.5 – QC Plan Submission Requirements

Outlines the minimum requirements for the QC Plan to be submitted to the Departmental Representative.

Section 1.7 – Quality Manager Requirements

The Contractor shall designate one person as the Quality Manager. This Section outlines the minimum responsibilities of this individual.

Section 1.8 – QC Plan Quality Control Staff and Equipment Requirements

This Section outlines the minimum requirements for QC Staff.



Key Contract Clauses

- 01 45 00 – Quality Control

Section 1.10 - Non-Conformance Reports

Outlines the procedures for dealing with Work found to not conform with the Contract Requirements.



Key Contract Clauses

- 01 52 00 – Construction Facilities

Section 1.11 - Snow Removal

The Contractor is responsible for all snow removal within the limits of the Work.

Following the completion of Stage 1, the Contractor shall maintain snow clearing on the new sidewalk and pedestrian access ramps at no additional cost to the Departmental Representative.



Key Contract Clauses

- 01 55 26 – Traffic Control

Section 1.5 - Traffic Management Plan

This Specification as well as the Contract Drawings provide the minimum requirements for traffic control on the project.

The Contractor shall prepare and submit a Traffic Management Plan (TMP) for each stage of planned construction operation.

The Contractor shall get the TMP approved by Manitoba Infrastructure. This includes providing the information for highway notification systems such Manitoba 511.

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Key Contract Clauses

- 01 55 26 – Traffic Control

Section 1.6 - Traffic Control Coordinator

The Contractor shall appoint a Traffic Control Coordinator to the project. Responsibilities are described in Section 1.6.

Section 1.7 - Watchperson

The Contractor shall appoint a watchperson(s) to the project. Responsibilities are described in Section 1.7.

Section 1.8 - Traffic Control Scenario/Operational Requirements

Clause 1.8.6 outlines the staging sequence for the works.



Key Contract Clauses

- 01 55 26 – Traffic Control

Section 1.14 - Snow and Ice Management Plan

The Contractor shall develop a Snow and Ice Management Plan in order to facilitate the safe and efficient movement of traffic through the Work zone in winter conditions.



Key Contract Clauses

- 01 74 21 – Construction/Demolition Waste Management and Disposal

Prior to start of Work conduct meeting with Departmental Representative to review and discuss PSPC's waste management goal and Contractor's proposed Waste Reduction Workplan for Construction, Renovation and /or Demolition (CRD) waste to be project generated. Refer to Appendix G – St. Andrews Lock and Dam Waste Audit Report, December 2020.

Refer to Section 1.8, 1.9, and 1.10 for specific plans/documents associated with waste management.



Key Contract Clauses

- 02 81 00 – Lead Surface Coatings – General Provisions
- 02 83 12 – Lead Abatement - Maximum Precautions

Refer to Contract Drawings for scope of lead surface coating remediation.

The following paint finishes have been confirmed to contain significant concentrations of lead:

- Surface coatings on 63 floor beams top flanges currently encased on concrete.
- Truss top chord members where metallizing was not previously applied due to access constraints.



Key Contract Clauses

- 02 85 11 – Silica – Moderate Risk Precautions

Section 1.3 - Outline of Work

The intent of this Section is to provide safe work practices and procedures to govern the handling, removal, clean-up and disposal of silica-containing materials following Type 2 (Moderate Risk procedures), and Departmental Representative specific requirements.



Key Contract Clauses

- 05 12 33.01 – Jacking and Blocking of Bridge Superstructure

Section 1.4 - Jacking Scheme

The Contractor shall provide a jacking scheme for review by the Departmental Representative for the following locations:

- Pier 1 Expansion Bearings as shown on Drawing S25 & S26.
- Existing bearing at SU-5 as shown on Drawing S79.

Take full responsibility for the design and implementation of the jacking scheme including the temporary support and jacking system and any modification, strengthening or any other works required to the existing structure as part of the Contractor's Jacking Scheme.



Key Contract Clauses

- 09 97 19 – Coating Exterior Metal Structures

Section 2.1.2 - New Coatings

Repairs to coating on existing structure as well as field welds:

- Zinc Aluminum (85%/15%) Metallizing. Do metalizing in accordance with ASTM A780 Method A3 Metalizing.



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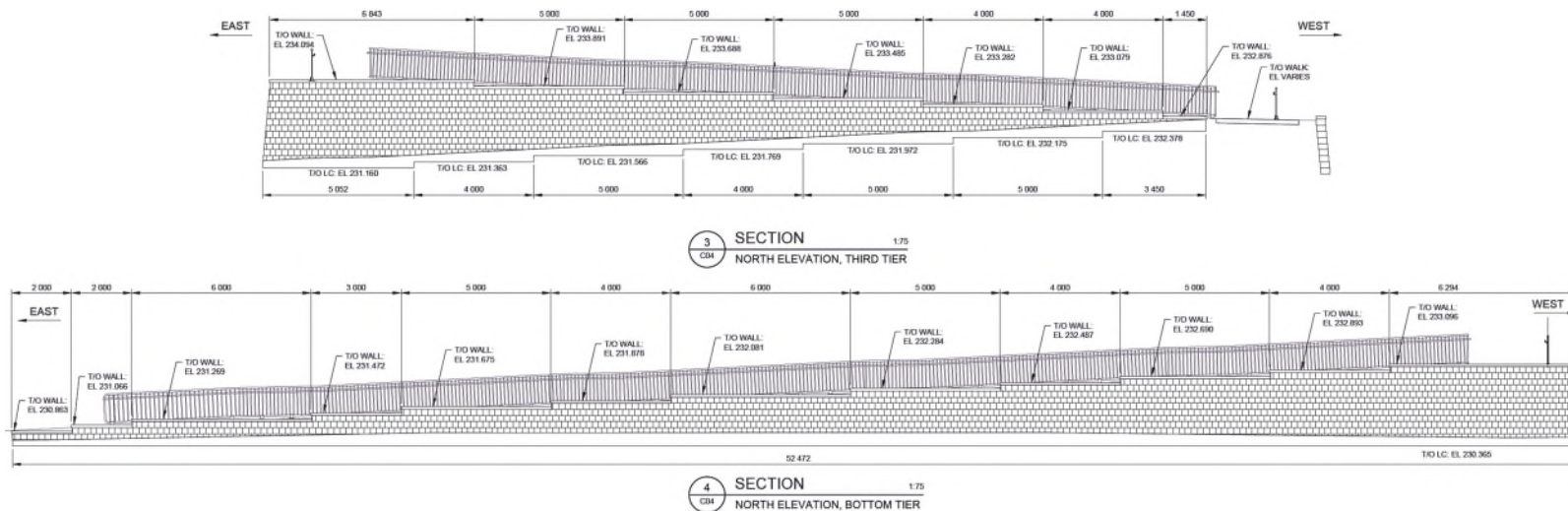
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Key Contract Clauses

- 32 32 34 – Reinforced Soil Retaining Walls

Section 1.3 – Performance Requirements

This Section outlines the design requirements for the segmental block retaining walls.



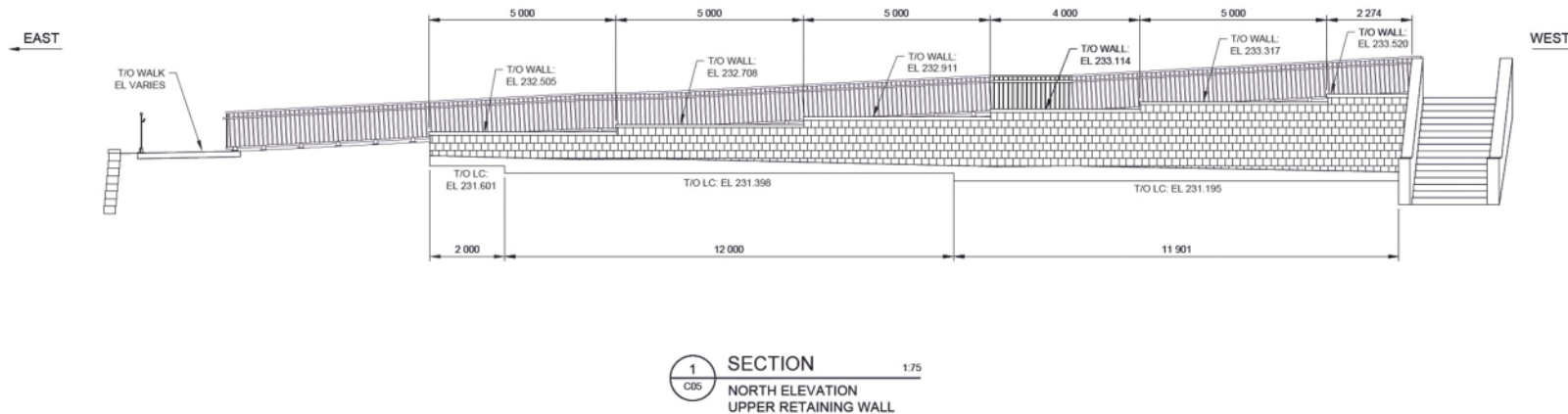
Key Contract Clauses

- 32 32 34 – Reinforced Soil Retaining Walls

Section 2.1 – Design Standards

Outlines the Design Standards for the segmental block retaining walls

Wall Geometry to conform to details shown on Contract Drawings.



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Discussion



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