



November 4, 2025

To Whom it May Concern

Subject: 2025 Bridge Maintenance Repairs – Cypress County

Your firm is invited to provide a quote to undertake the work for Cypress County as described in the attached “Request for Quote” document.

Please submit quotes to the attention of Ailine Donald of **WSP Canada Inc.**, Medicine Hat **by 2:00 p.m. on November 18, 2025** by email (ailine.donald@wsp.com). This is not a public opening. The completion date for the proposed work is May 30, 2026.

If you submit a quote for this work, WSP encourages you to complete site visits as required to familiarize yourself with site specific conditions. The lowest or any quote will not necessarily be accepted.

For questions or concerns, please contact Ailine Donald, WSP at ailine.donald@wsp.com.

Yours sincerely,

A handwritten signature in blue ink, appearing to be 'Rob Stehr'.

Rob Stehr, P.L. (Eng)
Senior Project Manager

cc: Ken Jacobs, General Manager of Operations, Cypress County



REQUEST FOR QUOTE

Submit PDF Quotes **by 2:00 pm on Tuesday, November 18, 2025**

Attention: Ailine Donald, WSP Canada Inc.
110, 1222 Brier Park Rd NW, Medicine Hat, Alberta, T1C 0B7
Phone: 403-580-0552
Email: ailine.donald@wsp.com

Owner Contact Glenn Mattson, Cypress County, Phone 403-526-2888

Project **2025 Bridge Maintenance Repairs**

Bridge Site: **Bridge File 961, Bullshead Creek (CP-J309)**

Nearest Community: Elkwater
Legal Land Description: SW SEC 29 TWP 8 RGE 4 W4M
Existing Structure: Three Span (6.1-6.1-6.1) PG Girder Bridge on timber substructure

Bridge Site: **Bridge File 06646, Paradise Creek (CP-J310)**

Nearest Community: Seven Persons
Legal Land Description: NW SEC 23 TWP 10 RGE 7 W\$M
Existing Structure: Three Span (6.1-6.1-6.1) vs Girder Bridge on timber substructure

Bridge Site: **Bridge File 06978, McAlpine Creek (CP-J311)**

Nearest Community: Irvine
Legal Land Description: SW SEC 14 TWP 10 RGE 2 W4M
Existing Structure: Single Span (8.5) HC Girder Bridge on timber substructure

Bridge Site: **Bridge File 09005, McAlpine Creek (CP-J312)**

Nearest Community: Larmour
Legal Land Description: SW SEC 3 TWP 10 RGE 2 W4M
Existing Structure: Single Span (8.5) PG Girder Bridge on timber substructure

Bridge Site: **Bridge File 70585, McAlpine Creek (CP-J313)**

Nearest Community: Walsh
Legal Land Description: NW SEC 2 TWP 11 RGE 1 W4M
Existing Structure: Three Span (6.1-8.5-6.1) HC, Girder Bridge on timber substructure



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Bridge Site: **Bridge File 72436, Mackay Creek (CP-J314)**
Nearest Community: Walsh
Legal Land Description: SW SEC 11 TWP 11 RGE 1 W4M
Existing Structure: Single Span (6.1) HC Girder Bridge on timber substructure

Bridge Site: **Bridge File 72437, Bull Spring Coulee (CP-J 316)**
Nearest Community: Schuler
Legal Land Description: SW SEC 24 TWP 15 RGE 3 W4M
Existing Structure: Two Span (6.1-6.1) PG Girder Bridge on timber substructure

Bridge Site: **Bridge File 78977, Ross Creek (CP-J315)**
Nearest Community: Medicine Hat
Legal Land Description: SW SEC 23 TWP 12 RGE 5 W4M
Existing Structure: Three Span (8.5-8.5-8.5) PG Girder Bridge on timber



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1 General Project Information

The Contractor shall complete all work as per the items on the following pages. The specifications for construction work, which shall form part of the Contract Agreement, are in the following Alberta Transportation publications:

- Standard Specifications for Bridge Construction, Edition 17, 2020
- Standard Specifications for Highway Construction, Edition 16, 2019
- General Specifications, Specification Amendments and Supplemental Specifications for Highway and Bridge Construction, Edition 16, 2019

Completion Date: May 30, 2026

Penalty for Late Completion: \$800/day Warranty: 90 Days maintenance

The Owner reserves the right to accept or reject any or all quotations and to waive irregularities and informalities at its discretion. The Owner reserves the right to accept a quotation other than the lowest quotation without stating reasons. By the act of submitting its quotation, the Bidder waives any right to contest in any legal proceeding or action the right of the Owner to award the work to whomever it chooses, in its sole and unfettered discretion, and for whatever reasons the Owner deems appropriate. Without limiting the generality of the foregoing, the Owner may consider any other factor besides price and capability to perform the work that it deems in its sole discretion to be relevant to its decision including, but not limited to, the following:

- any past experience with the Bidder, or lack thereof;
- the results of any reference check done by the Owner;
- information relating to the financial state of the Company, however obtained.

All work will be assigned to one Contractor. The work will not be assigned to the chosen Contractor based on price alone. Quotes will only be accepted from those Contractors invited to submit a quote.

It should be noted that the Owner will **NOT** provide any materials, equipment, labour, signs nor supervision for the works. If, on subsequent inspection, the work is found to be unsatisfactory, the Contractor will be expected to repair it to an acceptable standard at no additional cost to the Owner.

Addenda, when issued, form part of the RFQ document. The Bidder shall acknowledge receipt of each addendum. The individual items included in the addendum shall be added, deleted, or changed in accordance with the instructions contained in the addendum letter.

1.1 Safety

The following eligibility requirements are necessary and their existence and application to this project is non-negotiable. The Contractors attention is drawn to Section 1.2.2, "Safety Prequalification" and Section 1.2.3.2, "Alternative Forms of Security".

Quotes will only be accepted from organizations:

- 1) registered with Corporate Registry, Alberta Registries, Alberta Municipal Affairs.
- 2) who, prior to the time fixed for receiving tenders, possess a Certificate of Recognition (COR),
a who, prior to the time fixed for receiving tenders, possess a valid Certificate of Recognition



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(COR) or a valid Temporary Letter of Certification (TLC) for a standard COR, or a COR Equivalency Letter (COREL) for out of province Bidders, as issued by the Alberta Construction Safety Association (ACSA) or another certifying partner authorized by the Alberta Ministry of Labour to issue CORs, TLCs or CORELs. The COR, TLC or COREL must be relevant to the work. Possession of a Certificate of Recognition other than a standard COR, TLC or COREL, such as a Small Employer Certificate of Recognition (SECOR) is acceptable.

For Bidders who have not obtained a Certificate of Recognition, a valid Temporary Letter of Certification (TLC) or Small Employer Certificate of Recognition (SECOR) issued by the Alberta Construction Safety Association (ACSA) will be considered acceptable.

Confirmation that the Bidder possesses a COR, SECOR or a valid TLC will be obtained through the Alberta Construction Safety Association.

1.2 Amendment to Specification 1.2, General, re: Insurance:

Section 1.2.10, Insurance, of the General Specifications shall be modified to require the inclusion of Cypress County and WSP Canada Inc. as additional insured for this project.

Sub-Section 1.2.10 (i) is modified to read: "General Liability Insurance in an amount not less than two million dollars (\$2,000,000) inclusive per occurrence . . ."

1.3 General Specification 1.2.23, Annulment Without Fault of Contractor

The Owner shall have the right at any time to annul the Contract upon giving at least 15 calendar days notice, in writing, to the Contractor, in which event the Contractor shall cease Work and shall be entitled to payment under the terms and conditions of the Contract for the Work done by him up to the time of such annulment.

The Owner will reimburse the Contractor for those costs verified by the Owner, which are directly chargeable to that portion of the Contract not performed by reason of annulment, and which the Owner deems as justifiable.

Thank you for your interest in submitting a quote.



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2 Submission Checklist

The following items have been included in the tender package submission:

- 1) Signed Quote _____ initial
- 2) Unit Price Schedule Filled in _____ initial
- 3) Addenda (if applicable) _____ initial

3 Unit Price Schedule

Bridge File 961 (CP-J309)					
Bid Item	Description	Quantity		Unit Price	Total Bid
1	Mobilization (1.2.9) (Special Provision)	1	lump sum	\$	\$
2	Supply and Install H-Pile Stub (P1-P2)	1	Per pile	\$	\$
3	Replace Timber Cap	1	Lump Sum	\$	\$
4	Repair NW Approach Road Holes and Voids	1	Lump Sum	\$	\$
5	Install Breast Walls	1	Lump Sum	\$	\$
6	Install Missing Bridge Rail Post to Girder Bolts	1	Per Bolt	\$	\$
7	Approach Rail Repair	1	Lump Sum	\$	\$
Total: Bridge File 961					\$





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Bridge File 6646 (CP-J310)					
Bid Item	Description	Quantity		Unit Price	Total Bid
1	Mobilization (1.2.9) (Special Provision)	1	Lump Sum	\$	\$
2	Replace Timber Cap	1	Lump Sum	\$	\$
3	Repair Anchor Bolts	1	Lump Sum	\$	\$
4	Install Breast Walls	1	Lump Sum	\$	\$
5	Repair Anchor Bolts	1	Lump Sum	\$	\$
Total: Bridge File 6646					\$



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Bridge File 6978 (CP-J311)					
Bid Item	Description	Quantity		Unit Price	Total Bid
1	Mobilization (1.2.9) (Special Provision)	1	lump sum	\$	\$
2	Supply and Install H-Pile Stub (A2-P2 & P5, A1-P4)	3	Per Pile	\$	\$
3	Replace Timber Cap	1	Lump Sum	\$	\$
4	Concrete Repairs – Partial Depth Repair (Curb Fascia)	2	m2	\$	\$
5	Repair/Replace NE Hazard Marker	1	Per Sign	\$	\$
6	Replace Tin Pile Cover	1	Per Pile	\$	\$
7	Band/Shim Piles	12	Per Pile	\$	\$
8	Replace Missing Splice Bolts on Bridge Rails	1	Lump Sum	\$	\$
Total: Bridge File 6978					\$





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Bridge File 9005 (CP-J312)					
Bid Item	Description	Quantity		Unit Price	Total Bid
1	Mobilization (1.2.9) (Special Provision)	1	lump sum	\$	\$
2	Supply and Install H-Pile Stub (A1-P1 & P7)	2	Per Pile	\$	\$
3	Concrete Repairs – Partial Depth Repair (Curb Fascia)	2	m2	\$	\$
Total: Bridge File 9005					\$



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Bridge File 70585 (CP-J313)					
Bid Item	Description	Quantity		Unit Price	Total Bid
1	Mobilization (1.2.9) (Special Provision)	1	lump sum	\$	\$
2	Replace Timber Caps	2	Lump Sum	\$	\$
3	Repair SE Approach / Backwall	1	Lump Sum	\$	\$
4	Band/Shim Piles	6	Per Pile	\$	\$
5	Trim Trees and Remove Windrow Below Approach Rail	1	Lump sum	\$	\$
Total: Bridge File 70585					\$



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Bridge File 72436 (CP-J314)					
Bid Item	Description	Quantity		Unit Price	Total Bid
1	Mobilization (1.2.9) (Special Provision)	1	lump sum	\$	\$
2	Replace Timber Cap	1	Lump Sum	\$	\$
3	Supply and Install H-Pile Stub (A1-P1)	1	Per Pile	\$	\$
4	Remove Drift and Shrubs Below Bridge	1	Lump Sum	\$	\$
5	Supply and Install Missing Splice Bolts (8)	1	Lump Sum	\$	\$
Total: Bridge File 72436					\$



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Bridge File 72437 (CP-J316)					
Bid Item	Description	Quantity		Unit Price	Total Bid
1	Mobilization (1.2.9) (Special Provision)	1	lump sum	\$	\$
2	Bridge Rail Replacement and Approach Rail Construction (BSC 12.4) (Special Provisions)	1	Lump Sum	\$	\$
3	Clean and Grout Girder Lift Pockets	1	Lump Sum	\$	\$
4	Band / Shim Piles	6	Per pile	\$	\$
Total: Bridge File 72437					\$



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Bridge File 78977 (CP-J315)					
Bid Item	Description	Quantity		Unit Price	Total Bid
1	Mobilization (1.2.9) (Special Provision)	1	lump sum	\$	\$
2	Supply and Install Bridge Rail Posts	2	Per Post	\$	\$
3	Re-attach Nose Plate	1	Lump Sum	\$	\$
4	Concrete Repair – Partial Depth Repair (Sp. 2-G5)	1	m2	\$	\$
Total: Bridge File 78977					\$



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Quote Summary	
Bridge File 961	\$
Bridge File 6646	\$
Bridge File 6978	\$
Bridge File 9005	\$
Bridge File 70585	\$
Bridge File 72436	\$
Bridge File 72437	\$
Bridge File 78977	\$
Total Quote (excluding GST)	\$



REQUEST FOR QUOTE

Contractor Quotation Signing

Should this Quotation be accepted, the undersigned agrees to enter into written agreement with Cypress County for the faithful performance of the works covered by this Request for Quote, in accordance with the said plans and specifications and complete the said work on or before **May 30, 2026**.

Company Name: _____

Approved By: _____

(CONTRACTOR'S SIGNATURE)

(DATE)

Printed Name and Title: _____

Construction Schedule: _____

(START DATE)

(FINISH DATE)

Email quote to **ailine.donald@wsp.com**



REQUEST FOR QUOTE

4 Contract Signing

Contractor: _____ Company Rep: _____

Address: _____

Phone: _____ Fax: _____

On Behalf of the Contractor

Signature

Print Name

Position

Date

On Behalf of the Client

On Behalf of the Client

Signature

Signature

Print Name

Print Name

Position

Position

Date

Date





REQUEST FOR QUOTE

5 General

5.1 Definitions

The words "Owner" or "Department" shall mean the Cypress County.

The word "Minister" shall mean the person holding the position or acting in the capacity of General Manager of Public Works for the Cypress County or their duly appointed representative.

5.2 Prime Contractor

The Contractor's attention is drawn to the General Specification 1.2.13 "Occupational Health and Safety Act" and Section 1.2.13.1 "Prime Contractor".

5.3 Goods and Services Tax

Bid prices are to exclude Goods and Services Tax on all material and services supplied by the Contractor and incorporated into the work.

The Owner will include the applicable Goods and Services tax payment on the monthly and final progress payments.

5.4 Bid Deposit

None required.

5.5 Security

None Required.

5.6 Holdback

Holdback will be assessed as per Section 1.2.46.2 in the General Specifications. The Holdback will be ten (10%) percent for this Contract and held for a minimum period of forty-five (45) days after Completion Certificate is Issued.



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6 Special Provisions

6.1 Contractors Responsibilities for and Control of the Work

The Contractors attention is drawn to Section 1.2.10, “Contractors Responsibilities for and Control of the Work”. The Contractor must supervise and direct the Work competently and efficiently. The Contractor is solely responsible for: the means, methods, techniques, erection, operation, maintenance, safety at the site, and ensuring completed Work with the Contract.

6.2 Pre-Construction Meeting

An on-site preconstruction meeting will be held on the day of first disturbance by the Contractor. The Contractors attention is drawn to Section 1.2.8, “Commencement and Scheduling of Work” of the General Specifications.

6.3 Environmental Approvals and Notifications

The Contractor's attention is drawn to Section 1.2.16, “Environmental Management”, and Section 1.2.16.3, “Environmental Construction Operations Plan” of the General Specifications. The Contractor shall prepare and implement an Environmental Construction Operations (ECO) Plan for each phase of the project. The Contractor shall submit the ECO plan to the Consultant for review a minimum of two weeks prior to the pre-construction meeting.

The Contractor shall note that no disturbance to the stream channel or existing fish habitat shall occur. The Contractor shall not disrupt the flow of the water through the sites and shall implement measures to prevent siltation of the stream channel. These measures shall be detailed in the Contractor's ECO-Plan. All Environmental requirements are incidental to the Work and no additional payment will be made.

6.3.1 Alberta Environment – Watercourse Crossings

All work shall be in accordance with the most recent edition of Alberta Environment's "Code of Practice for Watercourse Crossings".

Alberta Environment classifies the Watercourse at Bridge Files 6646 and 78977 as Class “C” water bodies, indicating fish-bearing streams with a restricted activity period from April 1 to May 31 in any year. All construction activities within the stream channel must occur outside of this restriction window.

The Watercourse at Bridge Files 961, 6978, 9005, 70585, 72436, and 72437 are mapped Class “D” waterways, unmapped running into ‘D’ waterways or mapped beyond 2 km of a coded waterway, so are classified as “D” water bodies with no restricted in stream activity periods.

Once the Contractor knows their schedule, a Notification shall be sent by the Contractor, on behalf of the Consultant, to Alberta Environment. **The Contractor shall ensure that Alberta Environment is notified of the anticipated construction schedule prior to commencing work.** If required, isolation measures shall be incorporated as per the recommendations of a QAES. QAES recommendations and any isolation measures are considered incidental to the work and no separate payment will be made.



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6.3.2 Alberta Environment – Wildlife

The Contractor's attention is drawn to Section 1.2.16.5, "Work Subject to the Migratory Birds Convention Act, the Species at Risk Act, and the Alberta Wildlife Act", from the General Specifications.

6.3.3 Fisheries and Oceans Canada

The Fisheries and Oceans Canada (DFO) website, Fisheries and Oceans Canada – Projects Near Water:

<http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html>

States that review will not be required for projects that can follow their "measures to protect fish and fish habitat" which includes bridge maintenance, we consider the repairs to be done in this project to be maintenance and DFO will not be notified of the proposed work in relation to the Fisheries Act. If the Contractor's methodologies does not allow these measures to be kept then the Contractor is responsible to communicate with DFO and acquire the needed approvals to complete the Work.

6.3.4 Transport Canada

None of the water bodies contained in this project are on Scheduled Waterways according to Transport Canada and are therefore not being considered navigable.

6.4 Work in the Vicinity of Utilities

The Contractor's attention is drawn to Section 1.2.15, "Safeguarding Utility and Railway Installations". It is the responsibility of the Contractor to identify and make safe any utilities that will be within the work area. Alberta One-Call should always be contacted before work begins.

The Contractor's attention is drawn to Section 1.2.11, "Coordinating Work with Others" and Section 1.2.15, "Safeguarding Utility Installations", of the General Specifications.

The Contractor shall take all appropriate measures to investigate the presence of any utility in the construction area. The Contractor shall assume all responsibility for safeguarding and relocating all utilities in accordance with General Specification 1.2.15.

6.5 Protection of Structure and Roadway

The Contractor's attention is drawn to Section 1.2.18 "Damage to Project". Any damage to the existing structure and/or roadway that occurs as a result of the work in this Contract shall be rectified immediately by the Contractor at the Contractor's own expense. For any damage that has occurred, the Contractor shall notify the Consultant immediately so that the Consultant can determine the extent of the damage. The Contractor shall then submit a plan for approval to the Consultant for rectification of the damage. Upon approval of the repair plan by the Consultant, the Contractor shall complete the repairs immediately.

6.6 Prompt Payment and Construction Lien Act

6.6.1 General

The "Prompt Payment and Construction Lien Act" (PPCLA) (current as of November 16, 2022) applies to this Project. The Public Works Act, 1997 does not apply to this Project.



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As a result of the implementation of this ACT (as of August 29, 2022), the Contractor is required to issue to the Owner (through the Consultant) an invoice within thirty-one days of the work or services being performed or the goods and materials furnished. The owner must pay undisputed amounts within 28 days of receiving the proper invoice from the Contractor (through the Consultant). The Contractor then has seven days from receipt of payment from the owner to make payment to his subcontractors, and so down the contractual chain.

6.6.2 Key Changes

Key changes to the Builders Lien Act (Prompt Payment) are as follows:

- sets a 28-day timeline for project owners to pay invoices to general Contractors
- sets a seven-day timeline for Contractors to pay subcontractors after receiving payment
- extends timelines for registering liens:
 - construction industry: from 45 days to 60 days
 - concrete industry: from 45 days to 90 days
- increases the minimum amount owed that can be subject to a lien from \$300 to \$700
- allows dispute resolution through adjudication, which is faster and less costly than going to court
- introduces new rules allowing holdback money on large, multi-year projects to be released without risks at pre-set times
- improves subcontractors' access to payment information
- renames the *Builders' Lien Act* to the *Prompt Payment and Construction Lien Act*

6.6.3 Prompt Payment Documents

The following documents are applicable:

- The complete "*Prompt Payment And Construction Lien Act*" can be reviewed at the following website: <https://open.alberta.ca/publications/p26p4>
- Prompt Payment and Adjudication Regulation can be reviewed at the following website: [Prompt Payment and Adjudication Regulation - Open Government \(alberta.ca\)](#)
- Prompt Payment and Construction Lien Forms Regulation can be reviewed at the following website: [Prompt Payment and Construction Lien Forms Regulation - Open Government \(alberta.ca\)](#)

Bidders shall take note, Section 7(1), 7(2) of the PPCLA, no liens exist with respect to a public highway (including all roads under the jurisdiction of Local Road Authority) and irrigation Districts.

Bidders shall comply as applicable with the Prompt Payment and Construction Lien Act.



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6.7 Scope of Work

All work shall be accordance with the applicable sketches, drawings, special provisions and Specifications. The Scope of work listed below is for the contract as a whole and not all scopes may apply at each site. The Scope of the Work shall include, but is not limited to, the following:

- Mobilization
- Traffic Accommodation
- Supply and Install H-Pile Stub
- Timber Cap Replacement
- Band/Shim Piles
- Concrete Repairs – Partial Depth Repair
- Bridgerail Replacement and Repair
- Bridgerail Posts
- Timber Tin Pile Cap Replacement
- Breast Wall Construction

Contractors, in submitting a quotation, acknowledge that they are completely familiar with the scope and intent of the work required. Contractors further acknowledge that they have examined the sites and surrounding areas and are familiar with all conditions and/or restrictions which could affect or limit their operations due to such things as environmental constraints, water accommodation, utilities, public traffic and/or property of others.

The Contractor shall supply all labour, equipment and materials necessary to complete the Work. The estimated quantities provided in the Unit Price Schedule or contained in this document are provided for information purposes only. Quantity estimates are based on historic coring results and inspection recommendations. The Contractor shall review each site and if in the opinion of the contractor additional work or units of work are needed to restore the structure to an acceptable unrestricted condition, the Contractor is asked to review with the consultant.

A complete job is called for, therefore any labour, equipment, tools, or material item not specifically mentioned but necessary for a complete job will be considered incidental to the Work and no separate payment will be made.

6.8 Mobilization

A Mobilization bid item for each site is included in the Unit Price Schedule. Payment for the bid item Mobilization will be in accordance with section 1.2.9, Mobilization of the General Specifications.

6.9 Traffic Accommodation for Bridge Construction

The Contractor's attention is drawn to Standard Specification for Highway Construction, Section 7, Specification 7.1, "Traffic Accommodation and Temporary Signing" and the Alberta Transportation "Traffic Accommodation in Work Zones" manual.

The Contractor shall submit their Traffic Accommodation Strategy to the Consultant at least **5 days** prior to the pre-construction meeting. No work will be permitted until the Traffic Accommodation Strategy has been reviewed and accepted by the Consultant.

The Contractor shall get approval from the County prior to any temporary closures. Road closures will be a maximum 24 hours. The Contractor shall notify the County a minimum of three working days prior to closing any road. The Contractor shall keep the Consultant informed of the



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construction schedule and provide appropriate travel advisories for the County to post on social media.

The Contractor shall supply, install and maintain a minimum of two information signs located at the first major intersection before and after the bridge site, which shall serve to advise traffic of the bridge repairs and closure, to allow traffic to select alternate routes.

During all other phases of the work, the Contractor shall maintain traffic over the bridge with a maximum posted speed of 30 km/h through the work zone. Single lane traffic will be permitted with a minimum clear roadway width of 3.5 m and appropriate traffic control devices such as flag-persons. The stability of the bridge shall be maintained throughout construction.

6.10 Supply and Install H-Pile Stub

The Contractor shall supply and install plain steel H-pile stubs (HP 310 x 79) complete with steel capitals and hardware to repair the rotted timber piles in accordance with the Design Sketch SK-HS-01 and Section 6 of the Specifications for Bridge Construction.

H-Pile Stub repairs shall be as follows for each Bridge File:

- Bridge File 961 – Pier #1, Pile #2
- Bridge File 6978 – Abutment #2, Pile #2 and Pile #5; Abutment #1, Pile #4
- Bridge File 9005 – Abutment #1, Pile #1 & Pile #7
- Bridge File 72436 – Abutment #1, Pile #1

The Contractor shall cut off the existing timber pile just below the identified rot as determined by the Consultant prior to installing the steel H-pile stub. The supply and installation of grout and all fasteners will be considered incidental to the Work and no separate or additional payment will be made.

All steel shall be fabricated and constructed in accordance with Section 6, “Structural Steel” and Section 13, “Miscellaneous Iron” of the Specifications for Bridge Construction. Field welding shall be in accordance with Section 13.4.2. The Contractor shall exercise due care during field welding so as not to set existing timber material on fire. The Contractor shall supply photocopies of the welder’s certification tickets as well as the welding procedures to the Consultant as specified in Section 13.4.2.

Payment for “Supply and Install H-Pile Stub” will be made at the "per pile" unit price bid, which price will be considered full compensation for all labour, materials, equipment, tools and incidentals necessary to complete the Work to the satisfaction of the Consultant.

6.11 Timber Cap Replacement

The Contractor shall remove and dispose of the existing treated timber caps in accordance with Section 21 of the Specifications for Bridge Construction. It is anticipated that after the caps are removed, splits may be discovered on the bearing piles. The Contractor shall allow the Consultant to inspect each pile before placing the new caps.

The Contractor shall supply and install new treated timber (TT) caps in accordance with Section 23 of the Specifications for Bridge Construction. The Contractor shall verify cap lengths in the field prior to ordering material and notify the Consultant of any discrepancies.

Treated timber material shall be as follows for each Bridge File:



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- Bridge File 961 – Replace Abutment #2 west top cap
- Bridge File 6646 – Replace both Pier caps
- Bridge File 6978 – Replace Abutment #2 west top cap
- Bridge File 70585 - Replace Pier #1 north top cap; Pier #2 south top cap
- Bridge File 72436 - Replace Abutment #1 east top cap

Installation of the timber caps shall include any hardware, shim plates, drift pins and bolts required to complete the installation. New hardware shall be used throughout. New 310 mm x 430 mm x 20 mm plain steel bearing plates shall be placed between the existing timber bearing piles and the new timber cap. Any connection modification between the girder, cap and pile shall be presented to the Consultant for review.

The Contractor shall clean the top of the piles of any debris which could prevent the caps from seating properly on the piles. The tops of the piles shall be checked and adjusted for elevation to ensure that they are in the same plane (level) prior to placing the new cap. A coat of hot tar shall be applied over the top of the piles ensuring the existing drift holes are filled with tar.

The new pile cap shall be secured to the piles with 20 mm diameter x 560 mm long headed drift pins. The drift pins shall be driven through predrilled holes in the centre of the pile cap, bearing plate and each bearing pile. These holes shall be sized to provide a tight fit for the drift pin. The holes shall be treated with approved wood preservative before the drift pins are placed.

The Contractor shall place Petrotac (rubberized asphalt fabric) over the entire top of each cap and extend it 150 mm down the exposed sides and ends of the timber. The Petrotac shall be wrapped in such a way to prevent trapping moisture, neatly folded on the cap ends and nailed with galvanized shingle nails to ensure it stays in position.

Payment for “Timber Cap Replacement” will be made at the Lump Sum price bid, which price will be considered full compensation for all labour, materials, equipment, tools and incidentals necessary to complete the Work to the satisfaction of the Consultant.

6.12 Band/Shim Piles

The Contractor shall band all split piles with high tensile steel banding as follows:

- Bridge File 6978
 - Band all piles, 12
- Bridge File 70585
 - Pier 1: Pile 6, Pile 7 and Pile 8
 - Pier 2: Pile 1, Pile 2 and Pile 3
- Bridge File 72437
 - Estimated 6 piles

Before the split pile is banded, 2 coats of approved wood protection and 1 coat of roofing pitch shall be applied to the split areas. The split pile shall be banded with high tensile steel banding (20 mm wide x 0.62 mm thick). Bands shall be installed every 100 mm for the length of the split and no fewer than 2 bands per pile.



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Payment for “Band/Shim Piles” will be made at the "per pile" unit price bid, which price will be considered full compensation for all labour, materials, equipment, tools and incidentals necessary to complete the Work to the satisfaction of the Consultant.

6.13 Supply and Install Breast Walls

The Contractor shall supply and install new treated timber planking, geotextile, and low-density fill-Crete (Min 5 MPa) in accordance with Section 23, “Structural Lumber and Piling”, of the Specifications for Bridge Construction and in accordance with sketch SK-BW-01 attached. Fill-crete shall be used in place of the aggregate backfill specified in sketch SK-BW-01.

- Bridge File 961: Breastwall installed at both abutments
- Bridge File 6646: Breastwall installed at both abutments

The Contractor shall supply and install treated timber backwall plank sheathing (75 mm x 300 mm) on the stream side of the piles and extending minimum 300 mm below natural ground/streambed level. The Contractor shall hand-dig a narrow trench in the head slope (or streambed) to a minimum depth of 300 mm below the lowest elevation of erosion at the back wall to permit the new sheathing planks to be installed in a level and straight line. The excavated area shall be backfilled and compacted after the work is completed.

The Contractor shall supply 19 mm diameter x 200 mm long lag bolts c/w large washers (all galvanized) to attach the treated timber planks to the existing timber piles. Two (2) lags bolts shall be used per pile location, per plank. Only new timber materials and hardware shall be used. The Contractor shall verify all replacement timber dimensions in the field prior to ordering material.

All cuts of the treated timber and holes shall be treated with two coats of an approved wood preservative.

The Contractor shall line the space between the new sheathing and existing backwall with geotextile and fill with low density fill-crete (Min 5 MPa) sloped towards the streambed to drain over the top plank of the Breastwall. This includes any void area extending behind the backwall.

Payment for “Supply and Install Breast Walls” will be made at the lump sum price bid, which price will be considered full compensation for all labour, materials, equipment, tools, and incidentals necessary to complete the work to the satisfaction of the Consultant.

6.14 Concrete Repairs– Partial Depth Repair

The Contractor shall repair spalls on deck and damage to the curb girders at the rail post anchorage and/or as directed by the consultant in accordance with Section 20.4, “Concrete Repair,” of the Specifications for Bridge Construction.

Concrete repairs shall be as follows for each Bridge File:

- Bridge File 6978 – three spalls in the curb fascia (2 at E and 1 at W)
- Bridge File 9005 – two spalls in the curb fascia (1 at SW and 1 at SE)
- Bridge File 78977 – minor edge spalls and chips (Sp.2 – G5) at the deck top



REQUEST FOR QUOTE

The Class of Concrete used shall be Class C. Concrete finishing of the repaired areas shall be Class 2 Finish in accordance with Section 4.25, "Concrete Surface Finish", of the Specifications for Bridge Construction, and shall be incidental to the work and no separate or additional payment will be made.

After the surface finish of the repaired areas has been completed, the Contractor shall apply an approved Type 1c sealer in accordance with Section 4.26, "Sealer", of the Specifications for Bridge Construction. The application of Type 1c sealer shall be incidental to the work and no separate or additional payment will be made.

When sandblasting, the Contractor shall contain the materials and sand such that it does not enter the watercourse.

Payment for 'Concrete - Partial Depth Repair' will be made on the basis of meter square price bid, which price shall include full compensation for the cost of furnishing all labour, materials, equipment, tools and incidentals necessary to complete the work to the satisfaction of the Consultant.

6.15 Bridgerail Replacement and Repair

The Contractor shall perform the work in accordance with Sections 12 "Bridgerail" and Section 14 "Guardrail" of the Specifications for Bridge Construction. Bolts should be checked/tightened, and all missing/damaged bolts shall be replaced. Additional holes shall be drilled as required.

The work shall include, but is not limited to the following:

- Bridge File 961:
 - Replace bolts on splice and post to girder bolts
 - Update approach guardrail to meet S-1654-01.
- Bridge File 6646:
 - Replace anchor bolts at NE bridgerail Post
- Bridge File 6978:
 - Replace bolts on splice
- Bridge File 72436:
 - Replace bolts on splice
- Bridge File 72437:
 - Remove and Dispose of existing timber rail
 - Install Retrofit bridgerail as per S-1655-01
 - Install Retrofit approach guardrail as per S-1654-01
 - Install hazard markers as per SK-HM-01
- Bridge File 78977:
 - Replace missing timber posts (NW and NE corners of Sp.3)

Payment for "Bridgerail Replacement and Repair" will be made on the basis of the lump sum price bid, which price shall include full compensation for the cost of furnishing all labour, materials, equipment, tools, and incidentals necessary to complete the work to the satisfaction of the Consultant.



REQUEST FOR QUOTE

Removal and disposal of the existing posts will be considered incidental to the bid item for Bridgerail posts and no separate or additional payment will be made.

6.16 Bridgerail Post

At Bridge File 78977 the Contractor shall supply and install new treated timber bridgerail posts to replace the missing ones on the NW and NE corners of Sp.3 in accordance with Section 23 of the Standard Specifications for Bridge Construction.

The Contractor shall verify all timber dimensions in the field prior to ordering material and install the missing bridgerail posts using new posts of similar dimensions of the existing ones.

Payment for "Bridgerail Posts" will be made on the basis of the unit price bid for number of posts replaced, which price shall include full compensation for the cost of furnishing all labour, materials, equipment, tools and incidental necessary to complete the work to the satisfaction of the Consultant.

6.17 Tin Pile Cover Replacement

The Contractor shall remove and dispose of the existing tin pile cover in accordance with Section 21 "Demolition, Disposal and Salvage of Bridge Structures", of the Standard Specifications for Bridge Construction.

At Bridge File 6978 the Contractor shall supply and install a new tin pile cap to replace the damaged at existing pile in SW wing.

Payment for "Tin Pile Cover Replacement" will be made at the Lump Sum price bid, which price will be considered full compensation for all labour, materials, equipment, tools and incidentals necessary to complete the Work to the satisfaction of the Consultant.



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7 Specification Amendments

7.1 Amendment to Specification 1.2, General, Re: Insurance

Section 1.2.4, "Insurance" of the General Specifications shall be modified to require the inclusion of the Owner and WSP Canada Inc. as additional insured for this project.

Sub-section 1.2.4(i) is modified to read: "General Liability Insurance in an amount not less than five million dollars (\$5,000,000) inclusive per occurrence, ..."

7.2 Amendment to Specification 1.2, General, Re: Claims and Dispute Resolution

Delete the contents of Section 1.2.57.1.2 Resolution of Claims and 1.2.57.2, Dispute Resolution Process and replace with:

1.2.57.1.2 Resolution of Claims

Where the Owner (or their Representative) or the Contractor considers that a Claim has arisen under the Contract, the Owner (or their Representative) or the Contractor shall issue a Notice of Claim to the other party.

A Notice of Claim shall be in writing and shall state the details of the claim. A Notice of Claim issued by the Contractor to the Owner pursuant to this Contract shall be served to the Consultant.

A Notice of Claim shall be served as soon as possible after the occurrence of the circumstance giving rise to the Claim and not later than seven (7) days after the occurrence of the circumstance, or the claimant becoming aware of the circumstance. Failure to serve a Notice of Claim within the prescribed time period will preclude the claimant from proceeding with the Claim.

The Parties shall make bona fide efforts to resolve a claim and the Work shall proceed without delay during the claims resolution process. This shall include both parties actively participating in the resolution of the claim, neither of whom may delegate the resolution of the claim to another party. Attempts to resolve claims shall sequentially follow the administrative review structure as follows:

1. Consultant - Project Manager / Area Manager / Regional Manager
2. Ken Jacobs, General Manager of Operations for Cypress County

If there is failure to reach agreement through this administrative review, either party may proceed to litigation either with or without the agreement of the other party.

7.3 Amendment to Highway Construction Specification 7.1, Re: Traffic Accommodation and Temporary Signing

Delete the third paragraph of Section 7.1.15.2, Bonus and Penalty Assessment. No bonus payment will be considered for this Contract.



REQUEST FOR QUOTE

8 Plans, Drawings and Permits

8.1 Separate Plans

The following plans/sketches included in this Contract shall form part of the Contract Documents:

Drawing Number	Description
SK-BW-01	Backwall Repair Detail
SK-HS-01	Standard Timber Pile Stub Detail
SK-HM-01	Hazard Marker
S-1654-01	Low Height Retrofit Bridgerail & Approach Guardrail on Local Roads – Sheet 1
S-1655-01	Low Height Retrofit Bridgerail & Approach Guardrail on Local Roads – Sheet 2

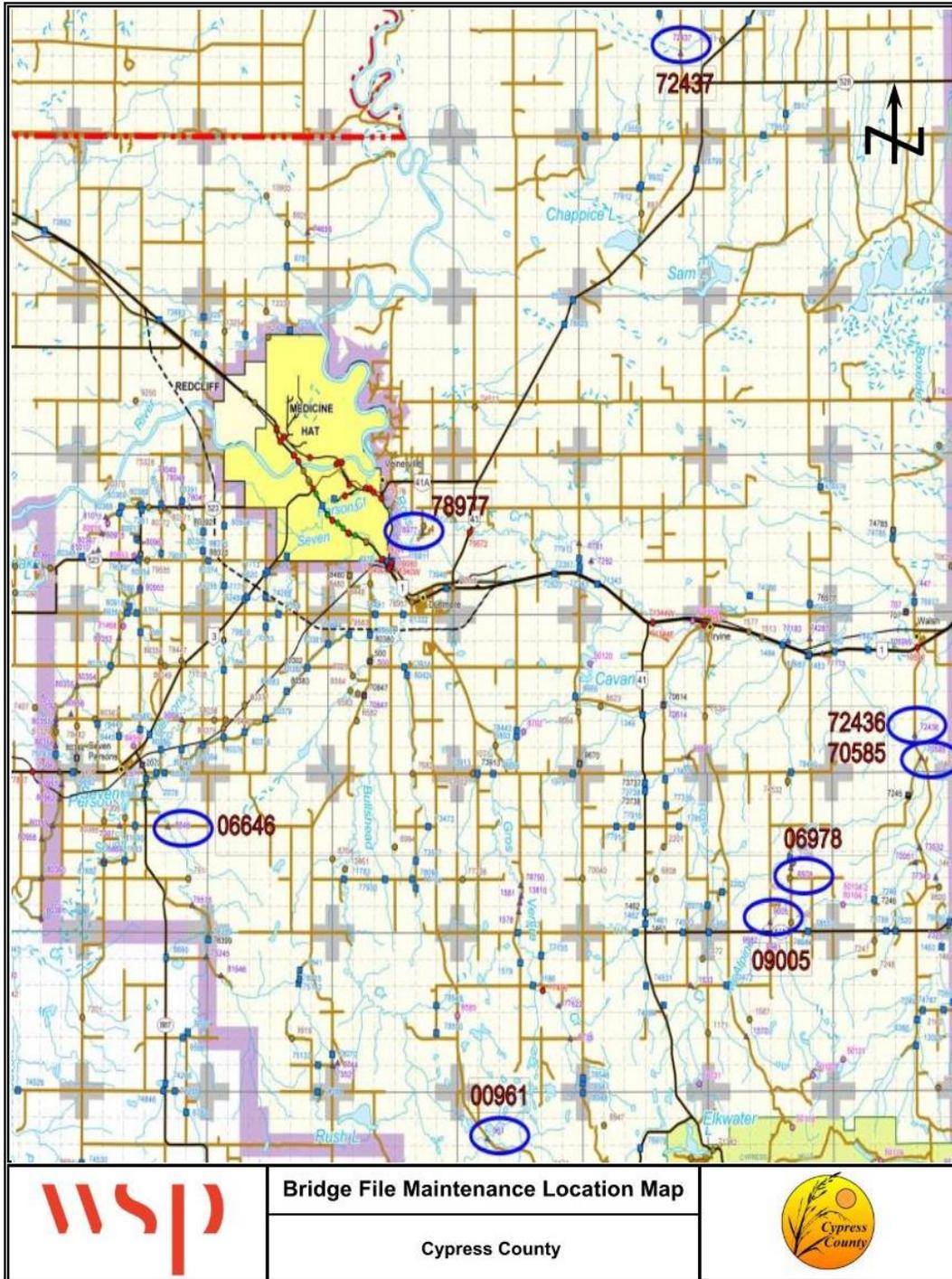
8.2 Site Photographs

Contractors are advised that drawings issued for tender are photocopy reproductions and, due to file conversion and/or reproduction variation, scaling off these drawings shall not be relied upon as accurate.



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8.3 Location Maps





REQUEST FOR QUOTE

8.4 Addenda

Bridge File 961 (CP-J309)



Photo 1: P1-P2 Install H-Pile Stub



Photo 2: Looking at Pier #1

Bridge File 961 (CP-J309)



Photo 3: Looking at Abutment #1



Photo 4: Looking at Abutment #2

Bridge File 961 (CP-J309)



Photo 5: Approach Hole

Bridge File 6646 (CP-J310)



Photo 1: View of Anchor Bolts



Photo 2: Looking at Abutment #1

Bridge File 6646 (CP-J310)



Photo 3: Looking at Abutment #2



Photo 4: Looking at Pier #1

Bridge File 6646 (CP-J310)



Photo 5: Looking at Pier #2

Bridge File 6978 (CP-J311)



Photo 1: Looking at Curb Fascia (Concrete Repairs)



Photo 2: Looking at Curb Fascia (Concrete Repairs)

Bridge File 6978 (CP-J311)



Photo 3: Looking at Abutment #2



Photo 4: Looking at Abutment #2

Bridge File 6978 (CP-J311)



Photo 5: A2-P2 Install H-Pile Stub



Photo 6: A2-P5 Install H-Pile Stub

Bridge File 9005 (CP-J312)



Photo 1: Looking at Abutment #1



Photo 2: A1-P7 Install H-Pile Stub

Bridge File 9005 (CP-J312)



Photo 3: A1-P1 Install H-Pile Stub



Photo 4: Curb Spall on SW Corner affecting anchorage (Concrete Repair)

Bridge File 9005 (CP-J312)



Photo 5: Curb Spall on SE Corner

Bridge File 70585 (CP-J313)



Photo 1: South Profile



Photo 2: Looking at Pier #1

Bridge File 70585 (CP-J313)



Photo 3: Looking at Pier #2



Photo 4: North End of P2 Cap

Bridge File 70585 (CP-J313)



Photo 5: Alignment looking West

Bridge File 72436 (CP-J314)



Photo 1: Drift Under Bridge



Photo 2: A1-P1 Install H-Pile Stub

Bridge File 72436 (CP-J314)



Photo 3: Looking at South Abatement (A1)

Bridge File 72437 (CP-J316)



Photo 1: Girder Lift Pockets full of ice



Photo 2: East Profile

Bridge File 78977 (CP-J315)



Photo 1: Missing Timber Rail Post



Photo 2: North Abutment (A2)

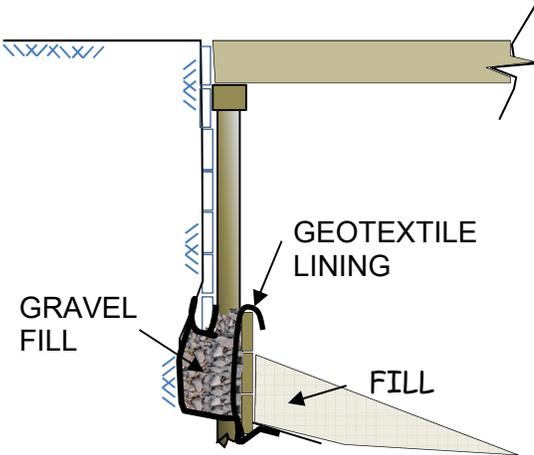
Bridge File 78977 (CP-J315)



Photo 3: North Pier (P2) Nose Plate Requires Fastening

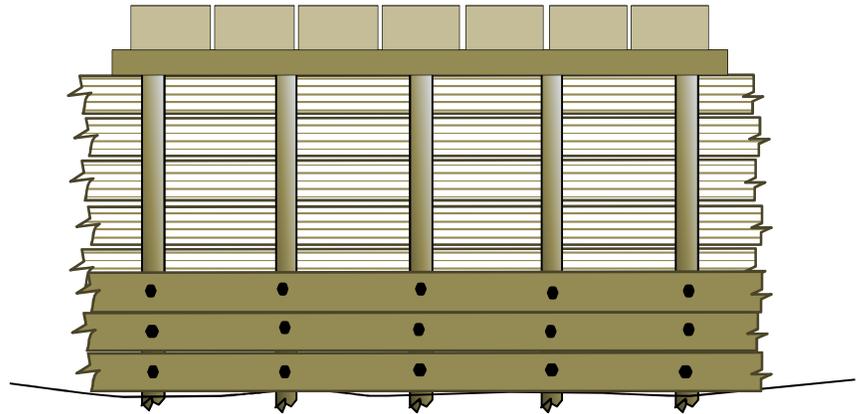


Photo 4: West Profile



PLAN

NTS



ELEVATION

NTS

NOTES:

ALL PLANKING MATERIAL SHALL BE SUPPLIED IN ACCORDANCE WITH SECTION 23.2, STRUCTURAL LUMBER AND PILING OF THE SPECIFICATIONS FOR BRIDGE CONSTRUCTION

PLANK DIMENSIONS SHALL BE 300mm BY 75mm OR EQUIVALENT.

PLANKING SHALL BE LAG BOLTED TO THE FRONT FACE OF PILING WITH MIN. 19mm X 200mm BOLTS AND WASHERS

TOP OF TOP ROW OF PLANKING SHALL BE MIN 200mm ABOVE THE BOTTOM OF EXISTING WALL PLANKS AND EXTEND MIN 200mm BELOW EXISTING GRADE AT WALL.

CAVITY SHALL BE LINED WITH GEOTEXTILE AND FILLED WITH 2" CRUSHED GRAVEL TO THE HEIGHT OF NEW PLANKING.

ADDITIONAL FILL SHALL BE PLACED TO A MIN HEIGHT OF 0.5m ALONG FRONT FACE OF NEW PLANKING

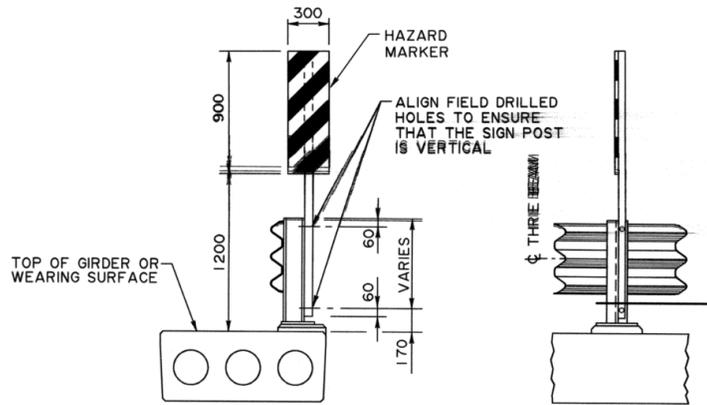
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BACKWALL REPAIR DETAIL

BRIDGE REPAIR

SK-BW-01



NOTES:

The Hazard Marker is to be removable, mounted on a 4" x4" treated timber post and fit snug into a steel fabricated sleeve mounted to the bridge rail post with 4 2" lag bolts as per the photos.

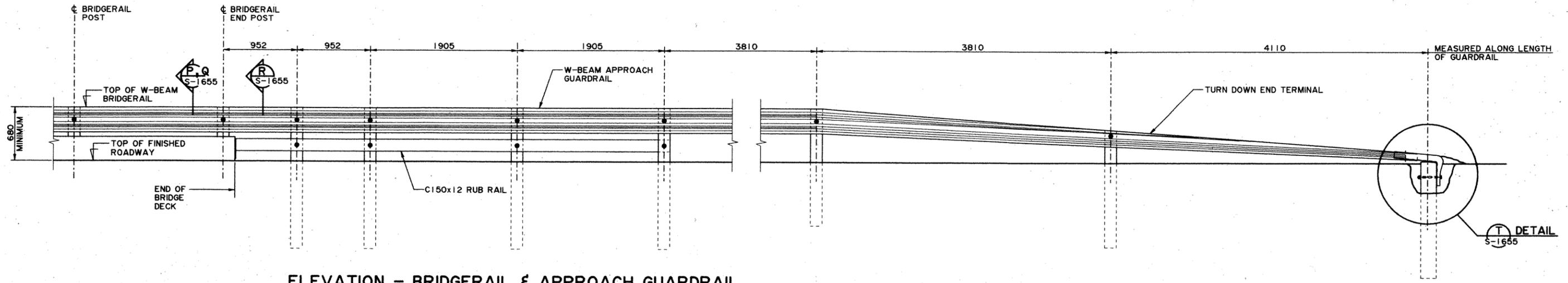
The steel sleeve is to be minimum 16" in length and allow drainage out the bottom



HAZARD MARKER

BRIDGE REPAIR

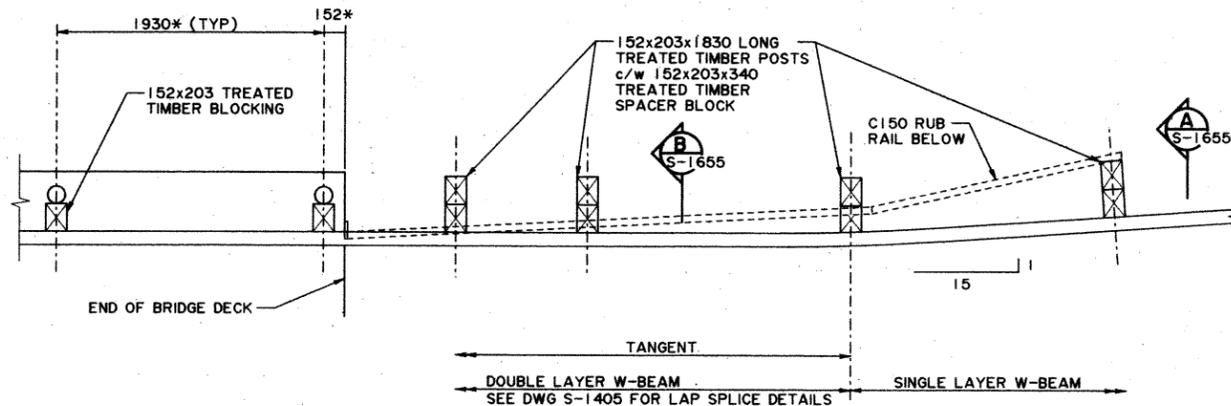
SK-HM-01



ELEVATION - BRIDGERAIL & APPROACH GUARDRAIL

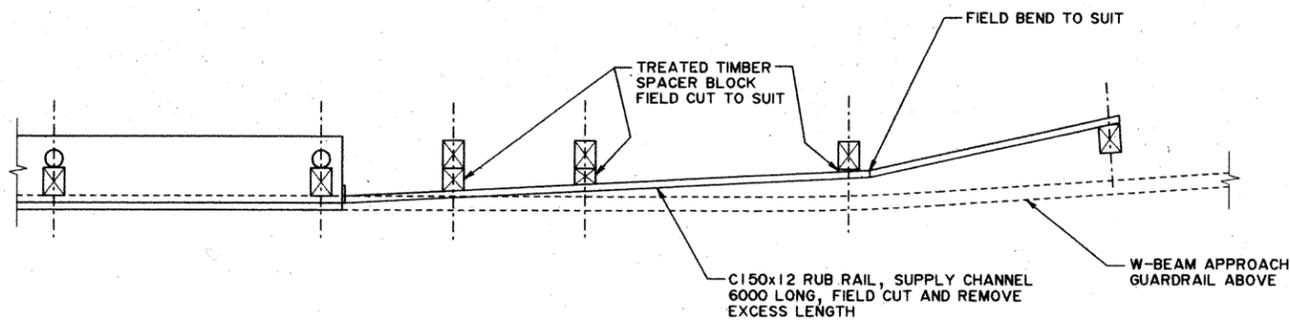
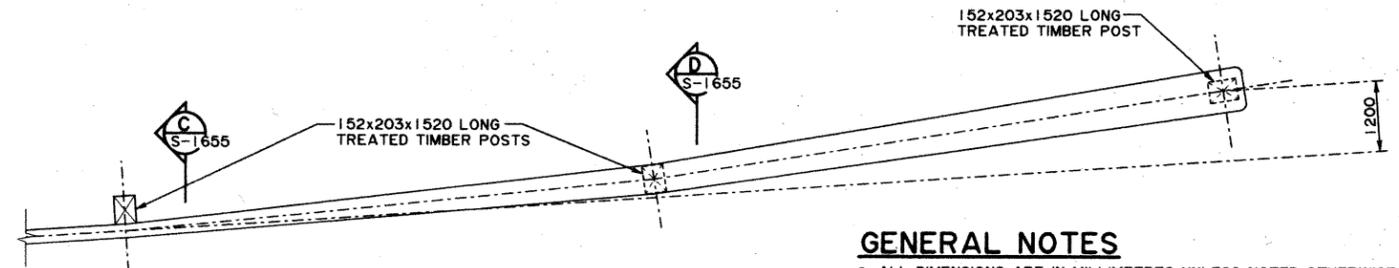
1:25

* EXISTING POST SPACING MAY VARY. FIELD CHECK POST LOCATIONS AND CONFIRM SPACING



PLAN - W-BEAM GUARDRAIL

1:25



PLAN - CHANNEL RUB RAIL

1:25

GENERAL NOTES

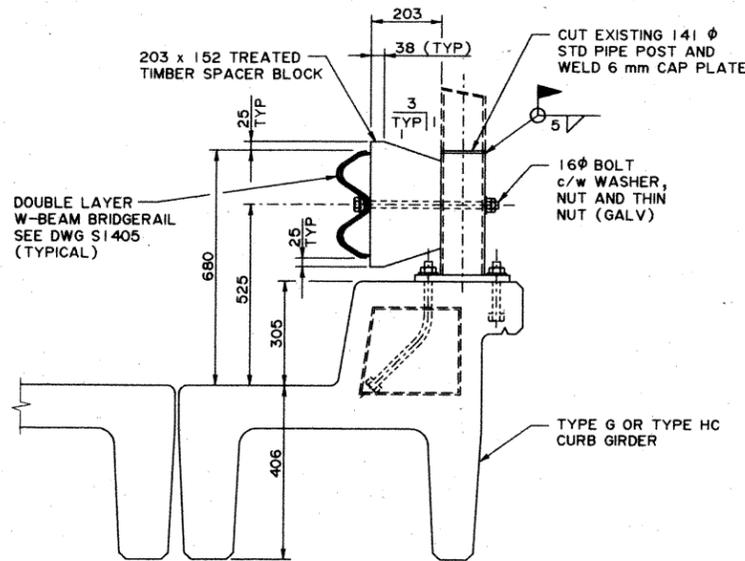
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- LENGTHS OF APPROACH GUARDRAILS SHOWN ARE MINIMUM REQUIRED. LENGTHS TO BE INCREASED AS REQUIRED BY SITE SPECIFIC TRAFFIC AND ROADSIDE CONDITIONS.
- RAILING SHALL BE USED FOR CLEAR ROADWAYS LESS THAN 9.0 m ONLY.
- BRIDGERAIL AND APPROACH GUARDRAIL TRANSITION SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS FOR BRIDGE CONSTRUCTION "SECTION 12 - BRIDGERAIL" AND "SECTION 14 - GUARDRAIL".
- ALL PLATE STEEL AND STRUCTURAL SHAPES SHALL CONFORM TO CSA G40.21 GRADE 300W OR ASTM A36.
- ALL BOLTS SHALL CONFORM TO ASTM A307.
- ALL W-BEAM GUARDRAIL SHALL HAVE A MINIMUM YIELD STRENGTH OF 345 MPa.
- TIMBER POSTS AND SPACERS SHALL BE COAST DOUGLAS FIR OR PACIFIC COAST HEMLOCK CONFORMING TO STRESS GRADE "SELECT STRUCTURAL POSTS AND TIMBERS" (NLGA PARAGRAPH 131a).
- ALL WELDING SHALL CONFORM TO CURRENT AWS SPECIFICATION D1.5.
- ALL NEW STEEL MATERIAL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH CSA G164 UNLESS NOTED OTHERWISE.

INSTALLATION

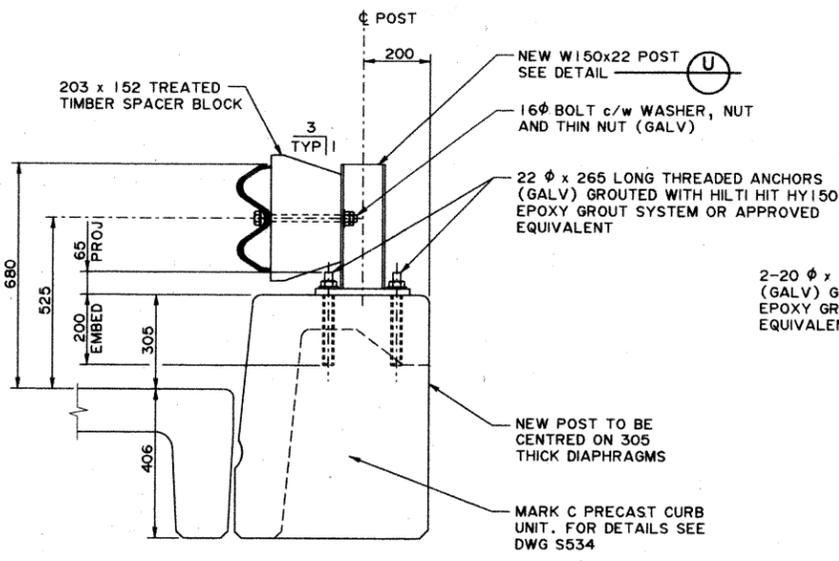
- BRIDGERAIL ANCHOR BOLTS SHALL BE TIGHTENED AN ADDITIONAL 1/2 TURN OF THE NUT PAST THE "SNUG TIGHT" CONDITION.
- ALL POSTS SHALL BE PERPENDICULAR TO GRADE.
- ALL NON-STANDARD LENGTH GUARDRAILS SHALL BE SAW CUT TO SUIT AND BOLT HOLES DRILLED AS REQUIRED. FLAME CUTTING OF GUARDRAIL SHALL NOT BE ALLOWED. APPLY TWO COATS OF ZINC RICH PAINT ON AREAS WHERE GALVANIZING IS DAMAGED BY SAW CUTTING OR DRILLING.
- ALL RAIL SECTIONS SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC.
- TREATED TIMBER EXPOSED BY SAWING OR DRILLING SHALL BE PAINTED WITH THREE COATS OF AN APPROVED PENETRATING PRESERVATIVE.
- PAINTED OR GALVANIZED SURFACE ON EXISTING STEEL POSTS DAMAGED BY WELDING SHALL BE TOUCHED UP WITH TWO COATS OF ZINC RICH PAINT.

• WORK THESE DRAWINGS TOGETHER: S-1654-01 AND S-1655-01

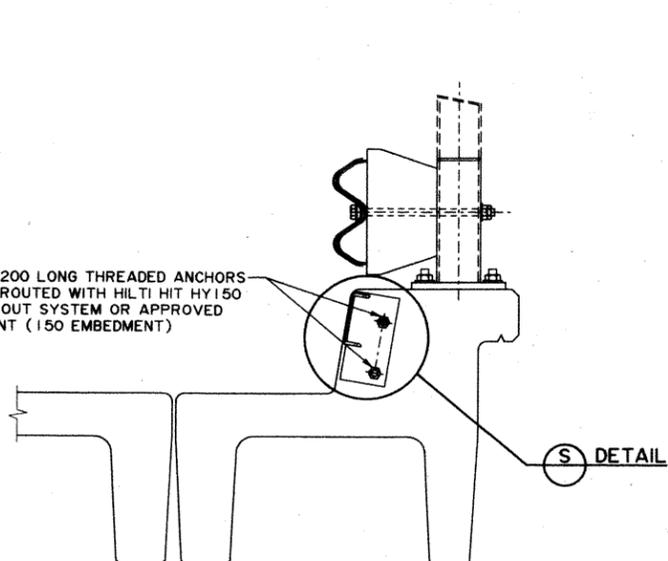
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APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH		LOW HEIGHT RETROFIT BRIDGERAIL AND APPROACH GUARDRAIL ON LOCAL ROADS - SHEET 1	
DESIGNER	CHECKER	DATE	DRAWING
		26 Apr 02	S-1654-01
REV	DATE	REVISIONS	BY
DEPARTMENT BAR CODE		DATE	SHEET
		2001-04-12	1 of 2



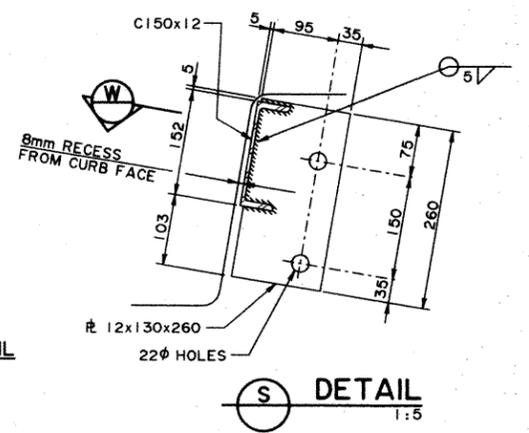
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S-1654 TYPE HC & G GIRDERS 1:10



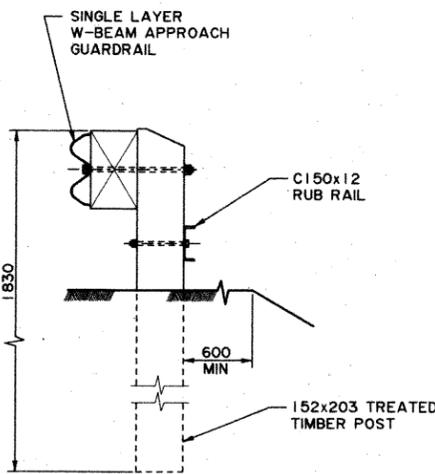
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S-1654 MARK C CURB UNIT 1:10



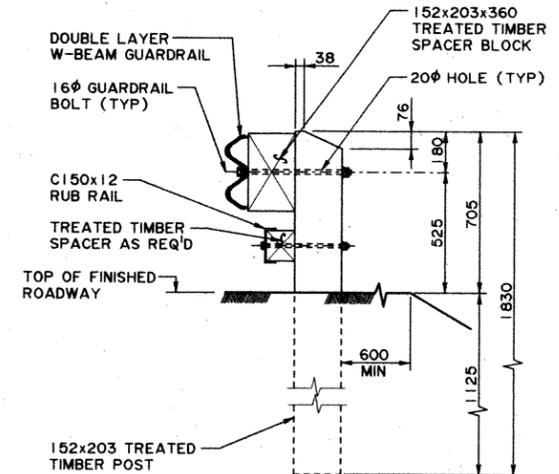
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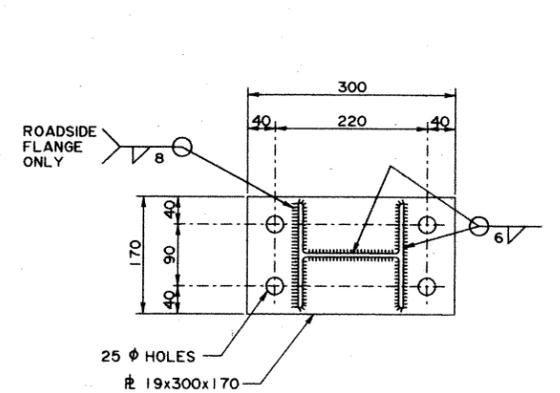
S DETAIL
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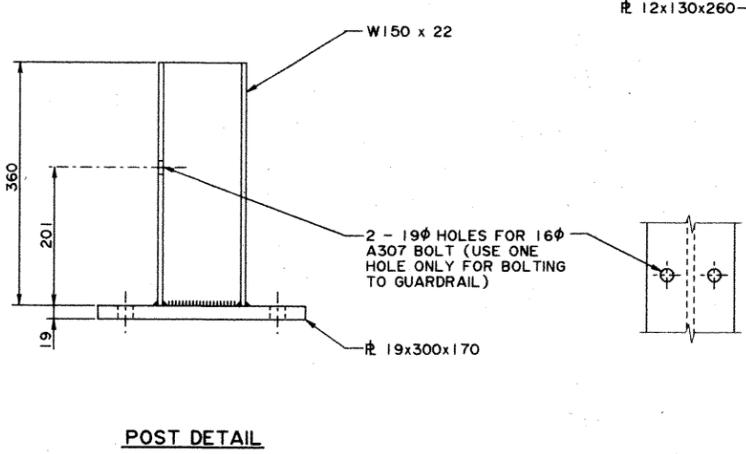
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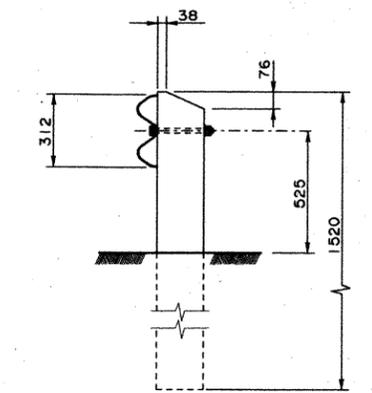
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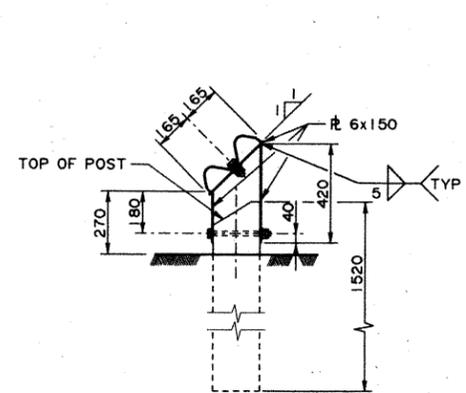
U NEW POST DETAIL
S-1654 1:5



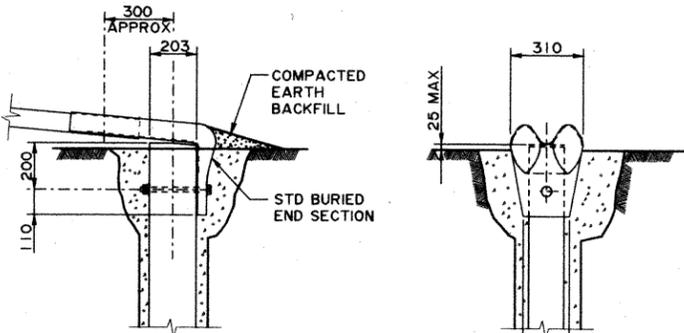
W SECTION
1:2



C SECTION
S-1654 1:15



D SECTION
S-1654 1:15



T DETAIL
S-1654 1:15

• WORK THESE DRAWINGS TOGETHER: S-1654-01 AND S-1655-01

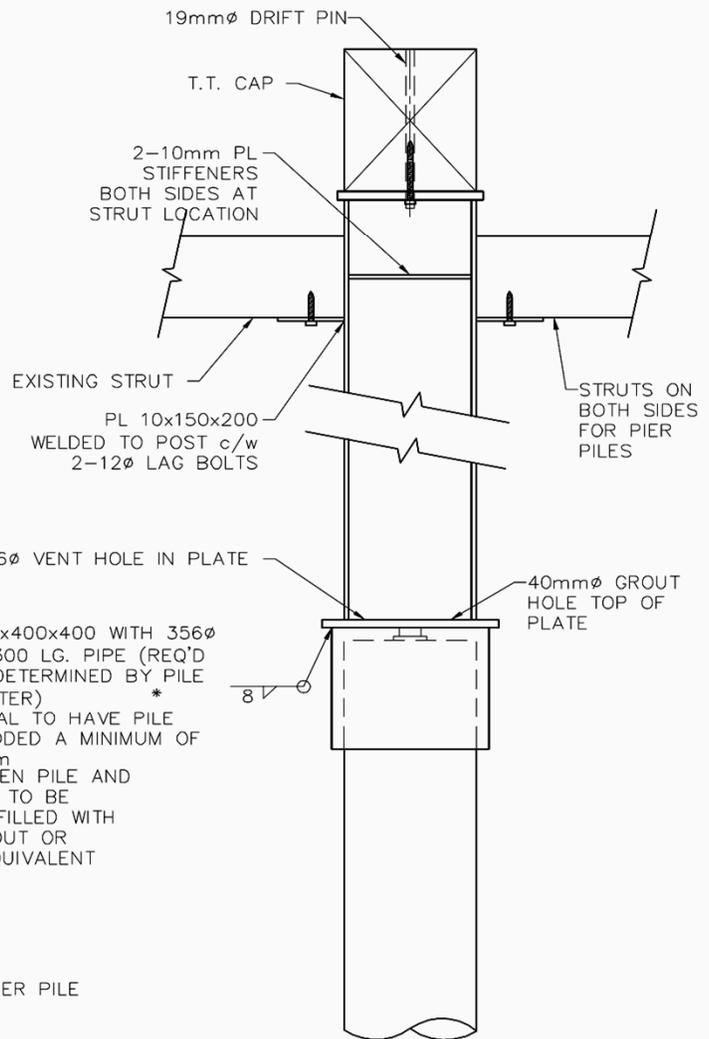
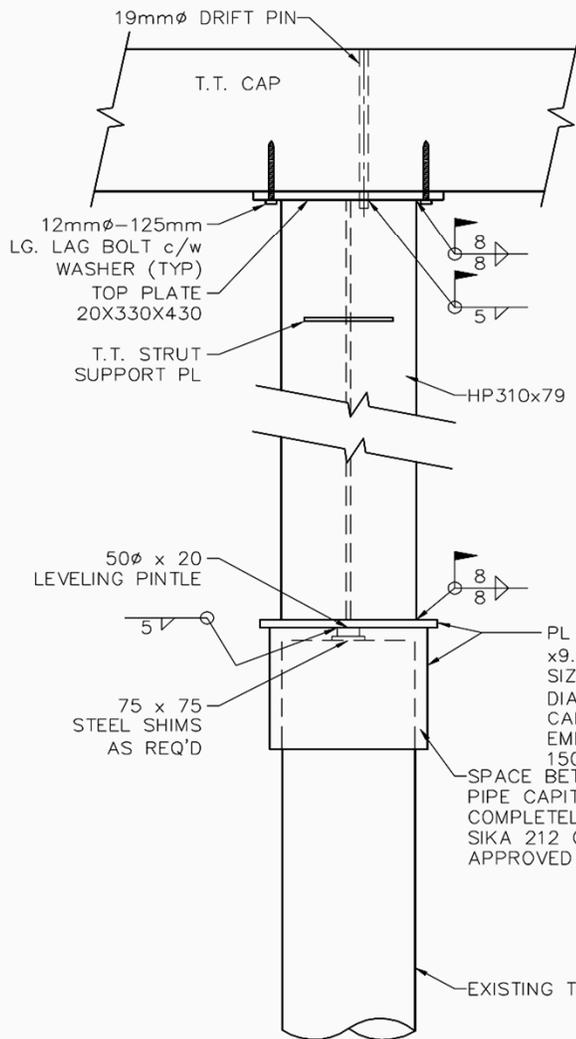
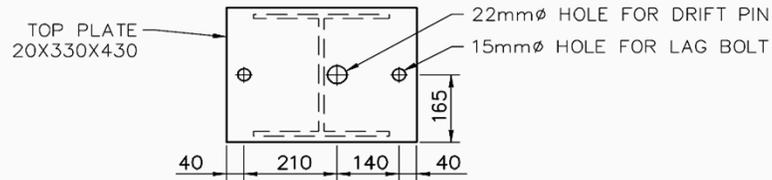
RECOMMENDED DIRECTOR BRIDGE ENGINEERING	APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH		
DESIGNER	DATE	CHECKER	DATE
REVISIONS	BY	CTC	26 Apr 02

Alberta TRANSPORTATION

LOW HEIGHT RETROFIT BRIDGERAIL AND APPROACH GUARDRAIL ON LOCAL ROADS - SHEET 2

DEPARTMENT BAR CODE: 2001-04-12
DATE: 2001-04-12
SHEET: 2 of 2
DRAWING: S-1655-01

S1655-01.DGN PLOTTED 2002-04-24



* PL 20x450x450 WITH 406 ϕ x9.5x300 LG. PIPE FOR LARGER TIMBER PILE DIAMETERS

NOTE:
CAPITAL LENGTH TO BE INCREASED TO 900mm IN LOCATIONS WITH HIGH LATERAL LOADS ON THE CAP AND PILES OR AS NOTED IN SPECIAL PROVISIONS

NTS



STANDARD TIMBER PILE STUB DETAIL

By
D.G.Vint

Checked By
Gordon Boenig

SK-HS-01
BRIDGE MAINTENANCE