



**EXPRESSION OF INTEREST (EOI)  
FOR  
SHEPPARTON LINE UPGRADE PROJECT**

**For the following works:**

**Murchison Crossing Loop Civil Drainage**

<b>Version:</b>	<b>Date:</b>	<b>Prepared by:</b>	<b>Approved:</b>
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## PROJECT OVERVIEW

The Victorian Government is upgrading the Shepparton Line to deliver more reliable services and allow modern VLocity trains to travel to Shepparton for the first time. Work on the Shepparton Line Upgrade has already begun, with \$356 million invested in the first two stages of the project, which has already delivered 10 extra services a week between Shepparton and Melbourne. Stage 2 will provide the infrastructure required for VLocity trains to run to Shepparton for the first time. It includes a new stabling facility and platform extensions at key stations to suit the longer VLocity trains, as well as a crossing loop extension at Murchison East to give trains more room to pass each other, boosting reliability on the line.

Fifty-nine level crossings will be upgraded between Donnybrook and Shepparton to make them compatible with VLocity trains and improve safety for train passengers and road users.

The project is being delivered as part of the Regional Rail Revival program. (Shepparton Line Upgrade Project).

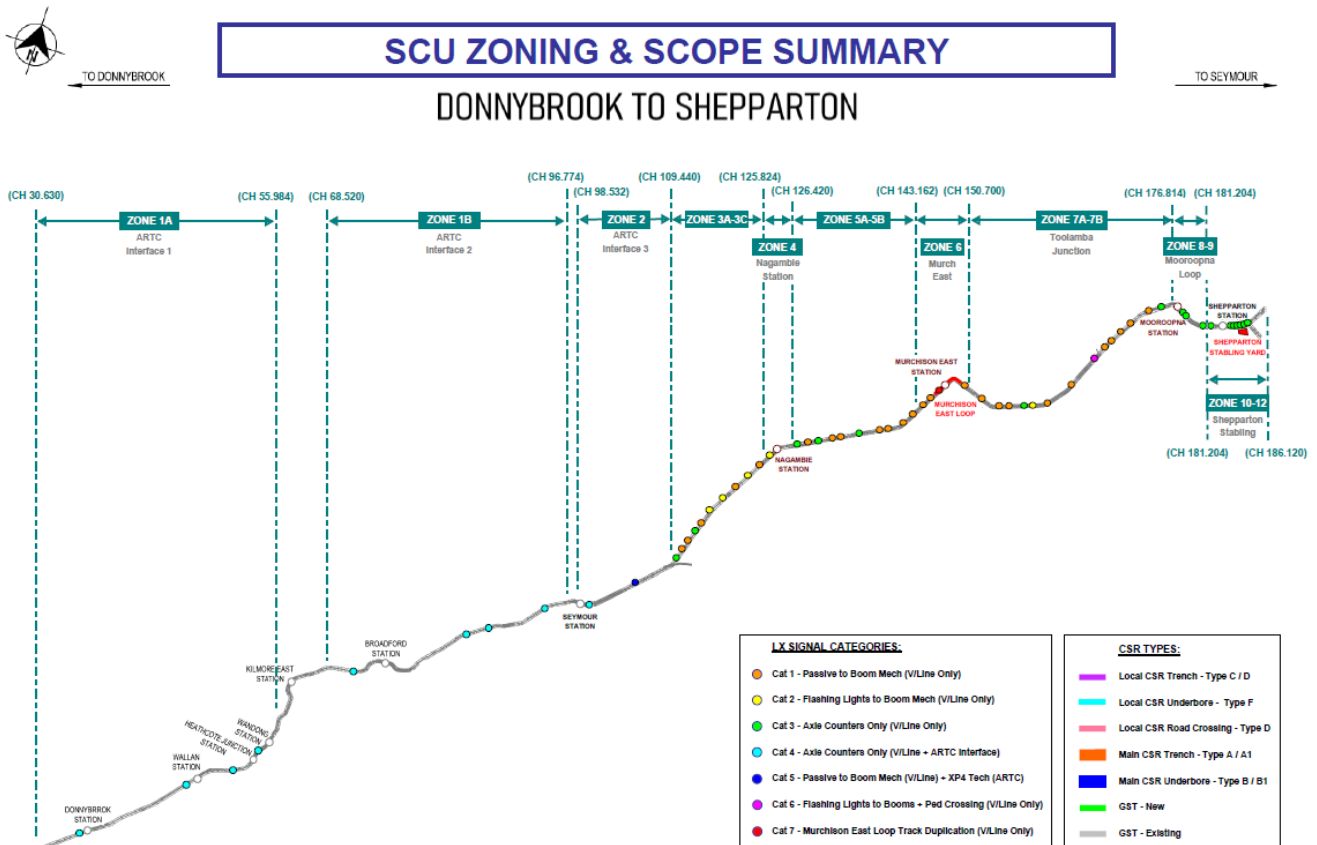


Figure 1 - Zoning Map for the Shepparton Line Upgrade Project



### SUMMARY OF WORKS PACKAGE

The scope of works relates to the construction of the new Murchison East Crossing Loop due to the current loop having non-compliant track centres located in Zone 6 as shown in Figure 1. Upgrades include new track construction to extend the crossing loop, reconstruct existing mainline track, installation of new turnouts and crossovers and duplication of Murchison-Violet Town Road level crossing.

Construction of the new crossing loop will be broken up into three Zones as outlined in Figure 2. Majority of drainage scope in Zones A, B and C will be completed in occupation time, with remaining scope in Zones A and C completed normal time. In total 6 open cut ULXs for cross track culverts and 80% of intertrack subsurface drainage will occur during occupation times. As part of the new crossing loop construction, the applicable civil drainage works are as follows:

- Trench for new drainage pipe/culverts
- Place bedding sand
- Lay pipe/culverts/headwalls/pits
- Backfill and compact
- Grout lifting lugs
- Place beaching around headwalls

The work time applicable to the above elements has been broken down into the following based on rail corridor constraints:

- Normal Time
- Occupation Time
- ALBF

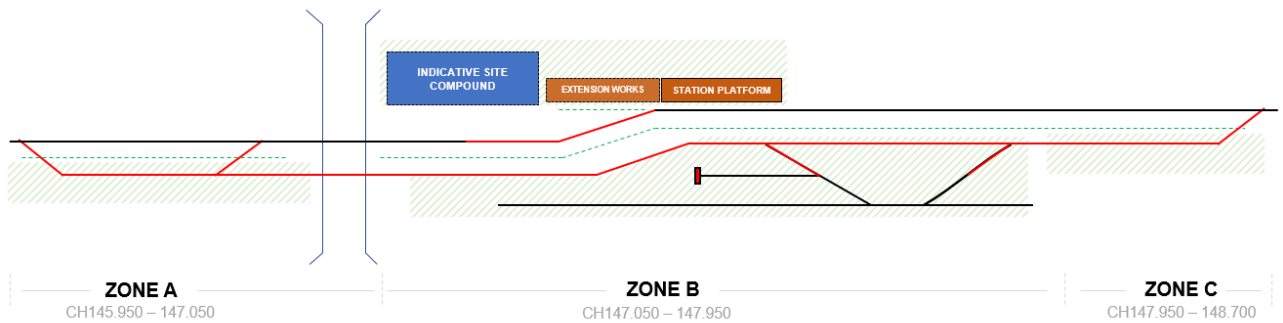


Figure 2- New Murchison East Loop Track Alignment & Work Zones

Indicative quantities shown below for the Murchison East Loop are based on the Reference Design drawings. Revised civil drainage designs will later be distributed during the RFT stage.

Item	Description	Indicative Qty
RCP CL4	375mm Class 4 RCP	376 Lin.m
	450mm Class 4 RCP	117 Lin.m
	525mm Class 4 RCP	290 Lin.m
	900mm Class 4 RCP	15 Lin.m

<b>Headwalls to suit RCP</b>	375mm dia	2 ea
	450mm dia	2 ea
	525mm dia	1 ea
	900mm dia	2 ea
<b>Grated Pits</b>	1000x1000mm Class D	14 ea
<b>Box Culvert</b>	450x300mm Box Culverts	38 Lin.m
<b>Headwalls to suit Box Culvert</b>	Dual 450x300mm Headwall	2 ea
	Single 450x300mm Headwall	2 ea
<b>Sub-surface pits</b>	Junction Pit 900x900mm Class C	48 ea
<b>Subsoil Pipe</b>	225mm Slotted Pipe	2160 Lin.m

## SUBCONTRACTING STRATEGY

The following defines the current subcontracting strategy for the Murchison Crossing Loop Civil Drainage package for the project:

Item	Description	Subcontract Type
<b>RCP/ Box Culverts</b>	Associated with installation of RCP and Box Culverts	Schedule of Rates
<b>Intertrack Sub-surface drainage</b>	Associated with installation of subsoil pipe and pits for intertrack drainage	Schedule of Rates

The SLU Alliance has commenced procurement of major material supply which will be free issued to the selected subcontractors (eg. RCP, Box Culverts, Pits, etc). The selected subcontractor would be responsible for minor materials/consumables.

## PROGRAM TIMELINE

The following highlights the indicative project timelines associated with the scope of work:

Milestone	Date
<b>EOI responses due</b>	29 <sup>th</sup> Jan 2021
<b>RFT issued</b>	26 <sup>th</sup> Feb 2021
<b>RFT due</b>	15 <sup>th</sup> Mar 2021
<b>Contract Award and Execution</b>	9 <sup>th</sup> Apr 2021
<b>Mobilisation to Site</b>	May 2021



## **SUBCONTRACTOR ATTRIBUTES TO BE ASSESSED**

- Relevant Project Experience
- Safety performance and safety culture
- Quality of work
- Relationship Contracting

## **EOI REQUIREMENTS**

The respondents are required to submit a paragraph with relevant attachments addressing the following:

1. Relevant recent project experience and safety performance
2. Plant and Equipment Fleet
3. Delivery Strategy Methodology
4. Completion of Appendix 2 Form

## **APPENDICES**

- Appendix 1 – Applicable Australian Standards
  - NIST 2659 Earthworks and Drainage
- Appendix 2 – EOI Form

## **STANDARDS APPLICABLE TO THE PROJECT**

The Technical Specifications refer to Australian and other international Standards and Codes in relation to the minimum quality requirements for materials and employed on this project.

A major requirement for the Project is to achieve an “Excellent” rating using the Infrastructure Sustainability Council of Australia (ISCA) rating tool for both Design and As-Built. All prospective suppliers / subcontractors must also contribute to the following sustainability targets where applicable during construction:

- 10% GHG emission reduction;
- 20% energy from renewable sources;
- 5% reduction in potable water use;
- 23.5% replacement of potable water; and
- waste minimisation and recycling to achieve Level 2 as per the Was-2 ISCA credit.

## **INSTRUCTIONS**

To submit an expression of interest, please complete the Appendix 2 form, including requested appended documentation and upload to the ICN Gateway page for the project.