

RAIL FLAW AND ULTRASONIC Defect Removal

Date: Feb 2024 to Jun 2024

Principal: TasRail

Project Value: \$1.9M

TASK

Shaw was awarded the Rail Flaw and Ultrasonic Defect Removal project which incorporated three sections of re-rail and one section of re-rail / re-sleeper over four different sites along with 54 rail inserts to replace defective welds on the Bell Bay, Western and Southern Lines.

As a result of quality work Shaw were conducting, Shaw was awarded with variations for another four different sections for re-railing.

CHALLENGES

While the scope presented as a large maintenance contract, the works required a significant coordination piece. The rail removed under this contract were to be reused on other projects, including the West Coast Wilderness Railway. The demolition methodology needed to be amended to minimise damage to the rail, but also be presented in a manner to permit reuse.

One of the sites was on a bridge and there was a risk of fall and injury. To complete the work without any issues and risk, Shaw had to prepare a Working at Heights Methodology which involved the use of Rail slides and harnesses as fall restraint eliminating the possibility of fall.

During the works, TasRail identified another four sites for completion, however, to meet funding constraints, Shaw did not receive extensions of time. To complete the full new scope within this timeframe, Shaw needed to reorganise its works under this and other contracts. Working collaboratively and cooperatively with TasRail and Shaw's subcontractors/suppliers, Shaw was able to achieve the acceleration to all parties benefit.

OUTCOMES

Ultimately, Shaw completed the works over the several project sites with varying scope requirements. Shaw not only achieved the quality requirements of the project, but also the accelerated project timeframes to meet other TasRail requirements.

