

## D. Cross River Rail project – 3 major work packages

Figure D1 outlines the details of each of the work packages for the Cross River Rail (CRR) project.

**Figure D1**  
Key information on work packages of the Cross River Rail project

	Tunnel, Stations and Development (TSD)	Rail, Integration and Systems (RIS)	European Train Control System (ETCS)
<b>Overview</b>	<p>The TSD work package includes tunnelling under the Brisbane River, constructing 4 underground train stations, and above and underground track work.</p> <p>The work package includes the design and construction phase over a 6-year construction period, and a 25-year agreement for ongoing maintenance services when the CRR becomes operational from 2026 (revised timeline).</p>	<p>The RIS work package will integrate the CRR project with the existing train network. This covers electrical works and operation systems and controls, as well as signalling and communications work. 'Complementary and Associated Works' also deliver upgrades to the accessibility (for people with a disability) of 6 suburban stations on Brisbane's southside from Fairfield to Salisbury for the wider rail network.</p>	<p>The ETCS work package will deliver an advanced signalling system providing continuous information on the position, direction, and speed of all trains. It will also allow passengers to have access to real-time (as it is happening) information on train schedules. ETCS is required for the operation of the CRR tunnels and for the wider South East Queensland rail network.</p>
<b>Delivery partner</b>	<p>Public-private partnership with PULSE Consortium.</p> <p>The PULSE consortium is led by CIMIC Group companies; Pacific Partnerships; CPB Contractors; and UGL, with international partners DIF, BAM, and Ghella.</p>	<p>Alliance contract with UNITY. UNITY brings together CPB Contractors; UGL; AECOM and Jacobs; and partners HASSELL, RCS Australia, Acmena, Martinus Rail, and Wired Overhead Solutions.</p>	<p>Sequence Alliance agreement with Hitachi Rail STS and Queensland Rail/CRR.</p>
<b>Delivery information</b>	<p>Public-private partnerships are cooperative agreements generally entered into with private sector entities for the delivery of government services.</p>	<p>An alliance agreement is a multi-party contract, in which all parties agree to a single set of terms and conditions to deliver the project and share the risks of the success or failure of the project.</p>	<p>An alliance agreement is a multi-party contract, in which all parties agree to a single set of terms and conditions to deliver the project and share the risks of the success or failure of the project.</p>
<b>Funding source</b>	<p>Revised CRR funding of \$3.3 billion and private finance contributions of \$1.499 billion.</p>	<p>Funded by Queensland Rail (\$989 million) and Cross River Rail Delivery Authority (\$1.1 billion).</p>	<p>Funded by Queensland Rail (\$717 million) and Cross River Rail Delivery Authority (\$47 million).</p>

Source: Queensland Audit Office from Cross River Rail Delivery Authority management reports and the Cross River Rail website.