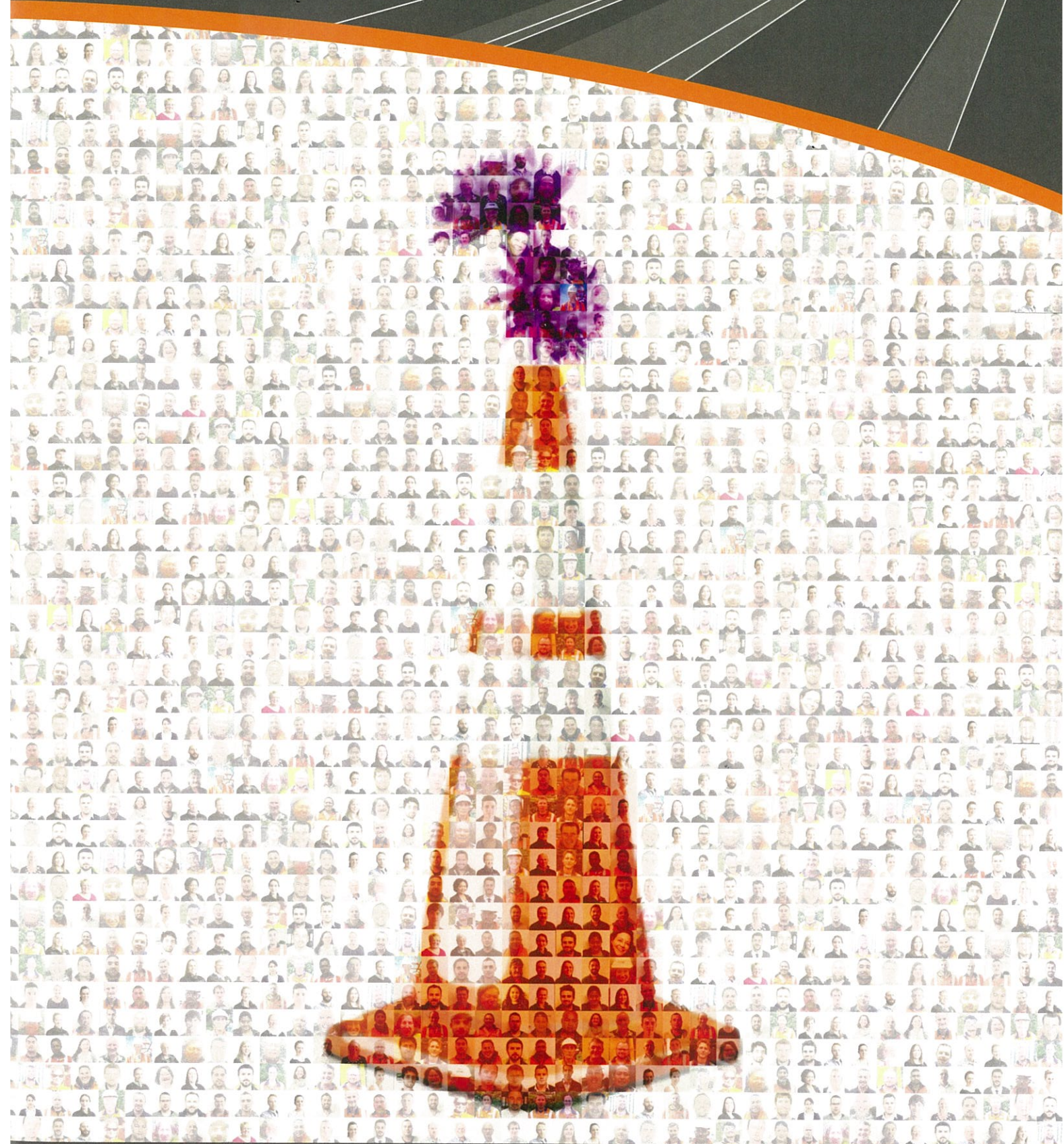


CONSTRUCTORS NEWS

October 2016



**McCONNELL
DOWELL**
CREATIVE CONSTRUCTION™

**DRIVING
PROGRESS**

City Rail Link *By Natalie Dyer, National Communications Manager*

The big news at CRL is the arrival of the Soilmec SR-100 Piling Rig from Italy, which has now been assembled and is being tested prior to getting started on the 362 20m deep piles for the Albert St trench. As he reaches the end of his Mayoralty, Len Brown paid a last visit to the CRL project to farewell the team over afternoon tea and a train-shaped cake, before visiting the site to check out the rig. Project Director Chris Powell played tour guide and Mayor Brown took the opportunity to experience the view from the driver's seat.

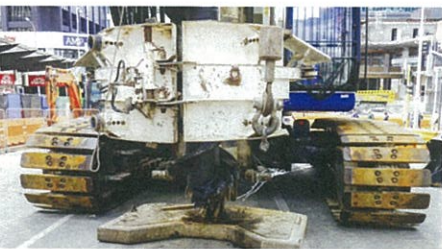
Piling will begin in mid-October and is expected to be finished in May 2017.

It's the second high profile visit in a month. On 15 September, the project was the venue for the signing of a 'Heads of Agreement' which outlines in broad strokes how the council and government will fund and oversee the \$3.4b project.

Minister for Transport Simon Bridges and Mayor Brown toured the site, inspected the progress and formalised an agreement to work together to come up with a more detailed 'sponsors' agreement which is likely to be signed off next year.



The Soilmec SR100 cased CCFA piling rig is the first ever to be used in New Zealand



Sustainability underpins the entire CRL project from inception, planning and construction and through life operation. The CRL is the first public transport project in New Zealand to measure carbon emissions associated with the construction and operation of the stations and tunnels, with data on energy and water use and waste generation being collected monthly during construction.



Giovanni Occhipinti from Trevi (which supplied it) showed Mayor Brown how the rig works



The CRL Environmental and Sustainability team (Alasdair Mawdsley and Lorena Vigoya) is thrilled that their work in partnership with Auckland Transport's Sustainability team has resulted in the project achieving a 'Leading' Infrastructure Sustainability (IS) Design rating by the Infrastructure Sustainability Council of Australia (ISCA), the highest possible achievement in the IS scheme.

The rating score of 78.7 is for the design and construction planning of Contract 2 (Albert Street tunnels and stormwater diversion) is well above the 50 points required to gain an 'Excellent' rating.

To award a rating, ISCA considers project performance across six themes: Management & Governance; Using Resources; Emissions, Pollution & Waste; Ecology; People & Place; and Innovation.

That the team has engaged and partnered with Mana Whenua (the local Maori people who hold customary rights in that area) to tailor the IS tool to suit the New Zealand cultural context was acknowledged as a 'world first' innovation.

Key CRL sustainability initiatives planned over the project lifetime include:

- Switching from diesel generators to grid electricity during construction
- The use of LED street-lighting for the Albert Street reinstatement
- Collaborating with the Energy Efficiency and Conservation Authority (EECA) to promote efficient driving and monitor machinery during construction to reduce fuel use
- Changing excavation methods to reduce diesel and water use
- Installing tree pits in the street to collect and filter stormwater runoff.



MCD's Lorena Vigoya and Alasdair Mawdsley are the CRL Environmental and Sustainability team