REAAA 2016
Quality – Do Clients get what they pay for?
Caversham Highway Improvements
Do clients get what they pay for?

Caversham Valley Safety Improvements (Stage 2):

- Contract Value: ~$24 million (Stage 2)

- Project Components (Stage 2):
  - Widening and realigning existing carriageway
  - Introduce central median
  - A new overhead bridge connecting Mornington Rd and Riselaw Rd and a link between the Highway and South Rd

- Project Status: Commissioned (Nov 2015)
Early Contractor Involvement (ECI)

Client: The New Zealand Transport Agency

Project Delivery Team: Downer and Opus

What is ECI?
When the Contractor is invited to have a say during the design stage of the project.
Benefits of ECI

- Contractor and Designer working together = best cost effective solution.

- Flexibility in design for innovation from Contractor.

- Contractor responsible for outcome so quality at forefront of thinking.
Role

- Carry out tests at every stage of construction to ensure work was being done to standard (e.g. MSE wall)

- Provide site supervisors and foreman with test results to be able to carry onto the next stage

- Log results into the database and send them through to the Site Engineers

South Road Loop and footpath provided for pedestrians below the overhead bridge
Q.A done for Caversham

- Benkelman Beam
- Nuclear Density Meter (NDM)
- Scala Penetrometer
- Core Samples
- Lab Tests
Challenges

- **Time**

- **Weather**

- **Working around live traffic**

- **Unforeseen circumstances**

Above: Working around live traffic was a challenge.
Below: An inactive fault line was found when working to set up the base of the bridge foundation
Successes

- Treatment of the inactive fault line without any hiccups

- Being able to work around the live traffic

- Completing the project without any major accidents/incidents – LTI = 0

Above: The successful Gold medal winning Fiji 7s team
Below: Award Winning Project Team
Conclusion

- Clients did get what they pay for

- Everyone was satisfied with the quality of finish

- The ECI procurement method is the way of the future
Questions??