

REAAA YOUNG PRESENTER COMPETITION

The SCIRT Alliance Model and Recovery of Christchurch's Earthquake Damaged
Bridges.

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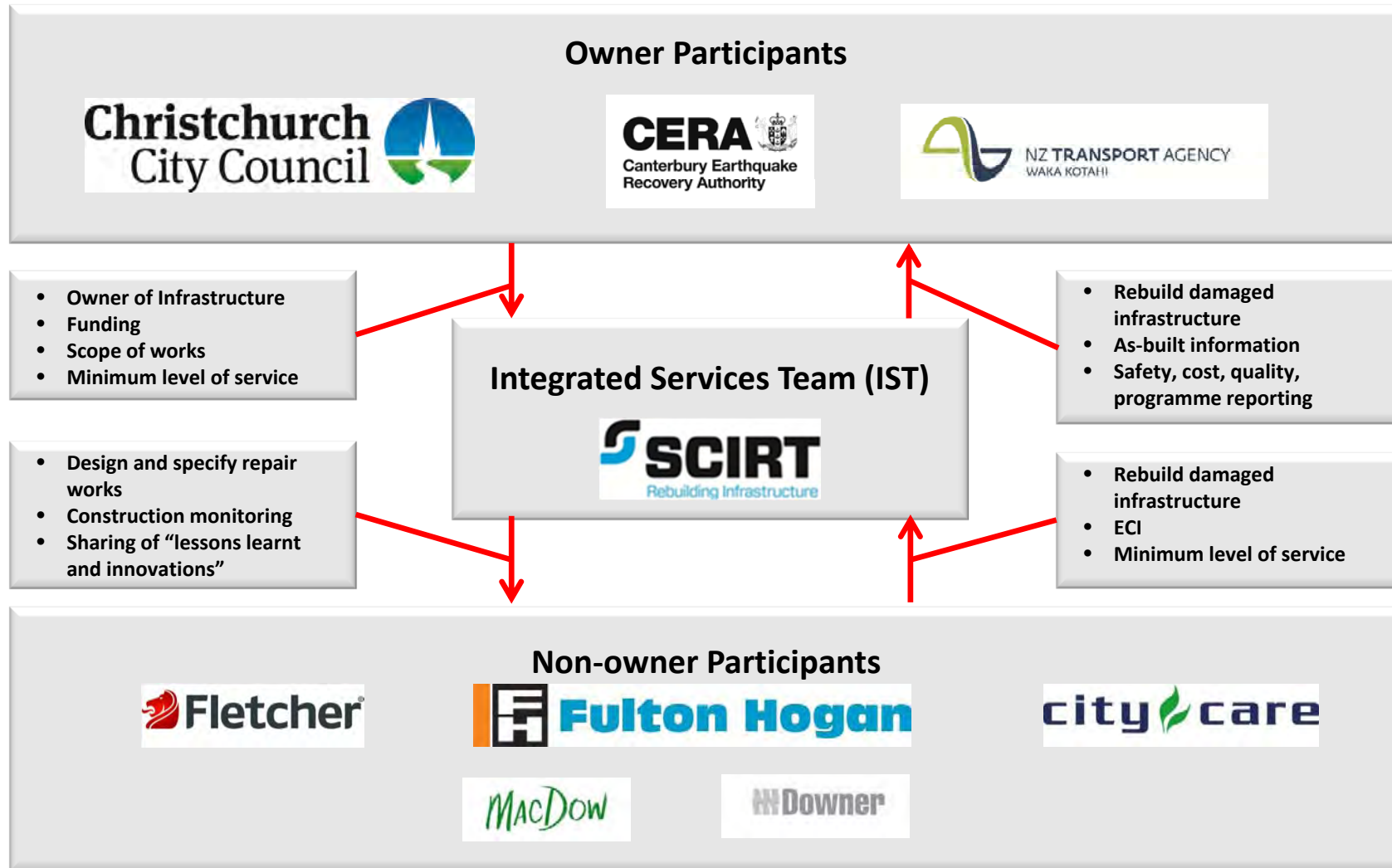


The SCIRT Alliance Model

- Born in May 2011, The SCIRT Alliance has the Daunting Task of rebuilding over **\$2 billion** worth of Christchurch's Earthquake damaged horizontal infrastructure.
- Horizontal Infrastructure is “**street-level civic infrastructure**” consisting of three waters, roads, bridges and retaining walls
- The Alliance model was adopted to deal with the complexity of “performing surgery” to damaged infrastructure within a living city and “**encourage innovative solutions and value for money decision making**”. Participants are driven by a **team pain gain philosophy** where profits and losses are shared.
- **December 2016: Due date for completion**



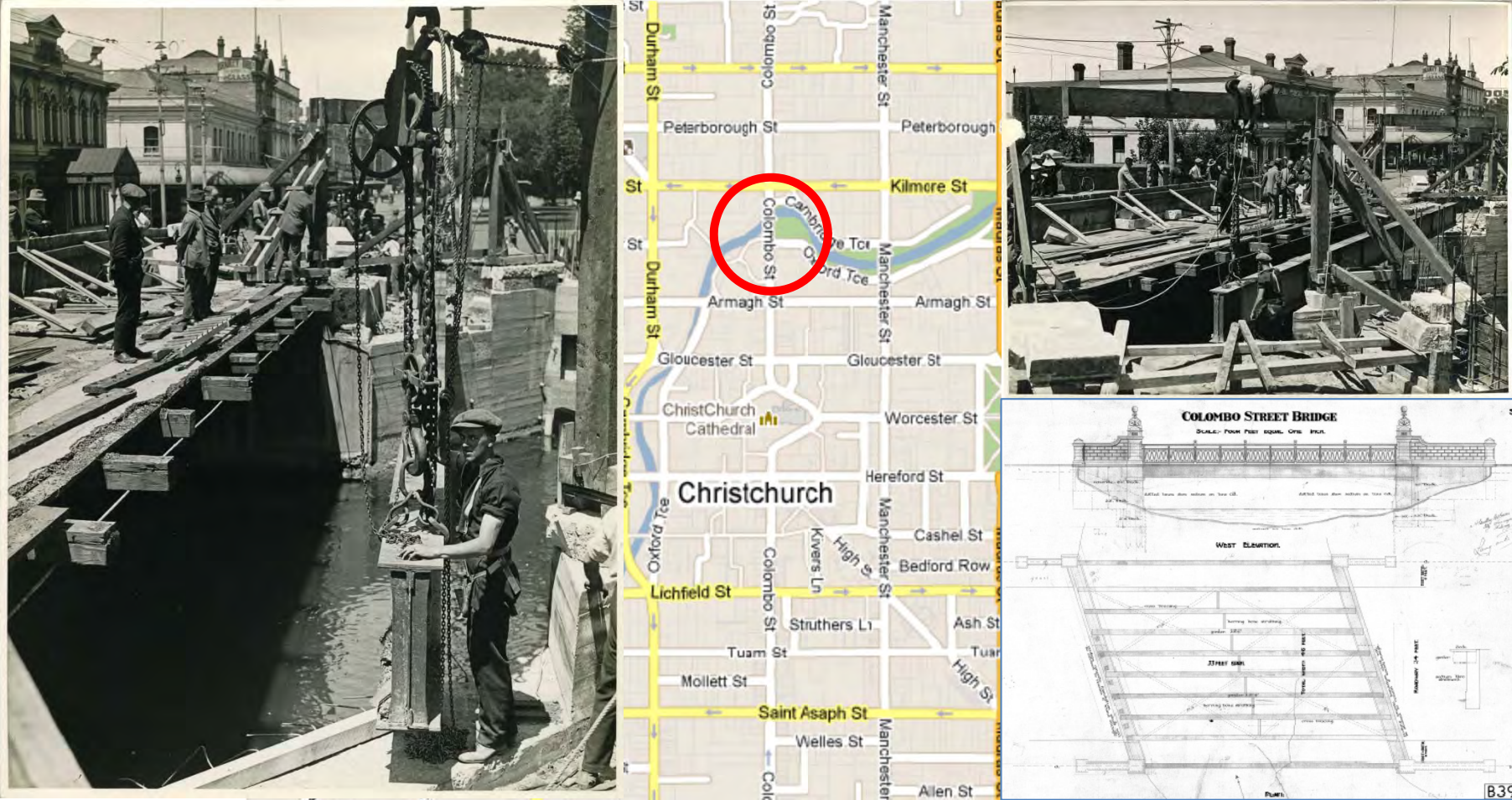
The SCIRT Alliance Model



SCIRT: Bridge Recovery

- Construction value of bridging detailed design completed to date approximately \$25 million
- Total bridging component of recovery works likely to be less than \$50 million or 2% of overall recovery cost
- Construction value of single large wastewater catchment repair = \$25+ million
- Comparatively low value but high profile

Bridge Recovery: Colombo St Bridge



Colombo St Bridge: Damage



Colombo St Bridge: Construction



SCIRT Alliance Model: Conclusion

- The task of the SCIRT Alliance is to restore Christchurch's earthquake damaged horizontal infrastructure to pre-earthquake levels of service.
- SCIRT Alliance framework facilitates co-ordination of works, sharing of knowledge and pushing innovation.
- The challenge from here is using the SCIRT "tool" to complete the rebuild works by December 2016.
- If successful it will be a benchmark for managing disaster recovery projects.

SCIRT Alliance Model: Conclusion

Thank you

