

Electronic Tolling System in the Western Bay of Plenty

- Sunny Zhang 18 Aug 2016



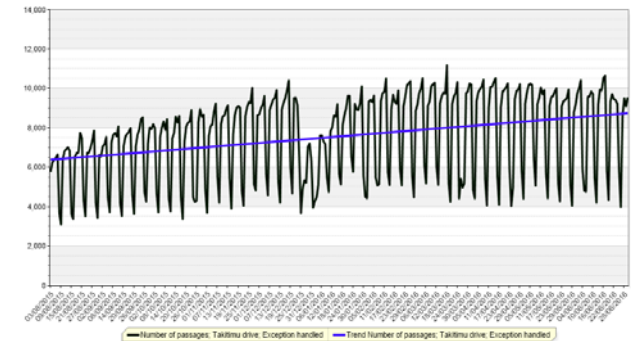
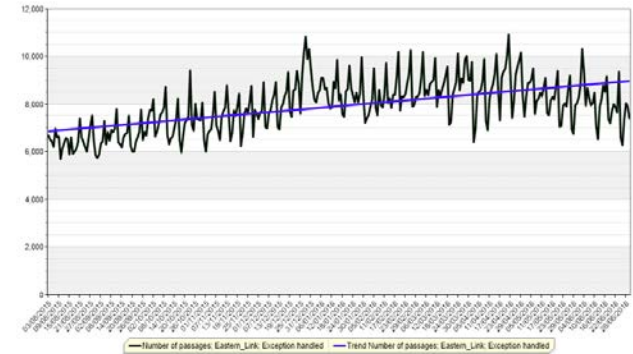
NZTA Toll Roads

- **Northern Gate Way** – *Opened in January 2009, system upgraded in July 2015*
- **Tauranga Eastern Link (TEL) Toll Road** – *Opened in August 2015*
- **Takitimu Drive Toll Road** – *Opened in August 2015 as SH (was Local Toll Road from 2003)*



Tauranga Eastern Link and Takitimu Drive Outcomes

- *Response from public has been favourable*
- *Monthly average daily traffic had increased over 35%*
- *Toll repayment compliance is at 99.7%*
- *\$11M was collected from Aug 15 to Jun 16*



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Huge traffic increase on electronic tolling roads

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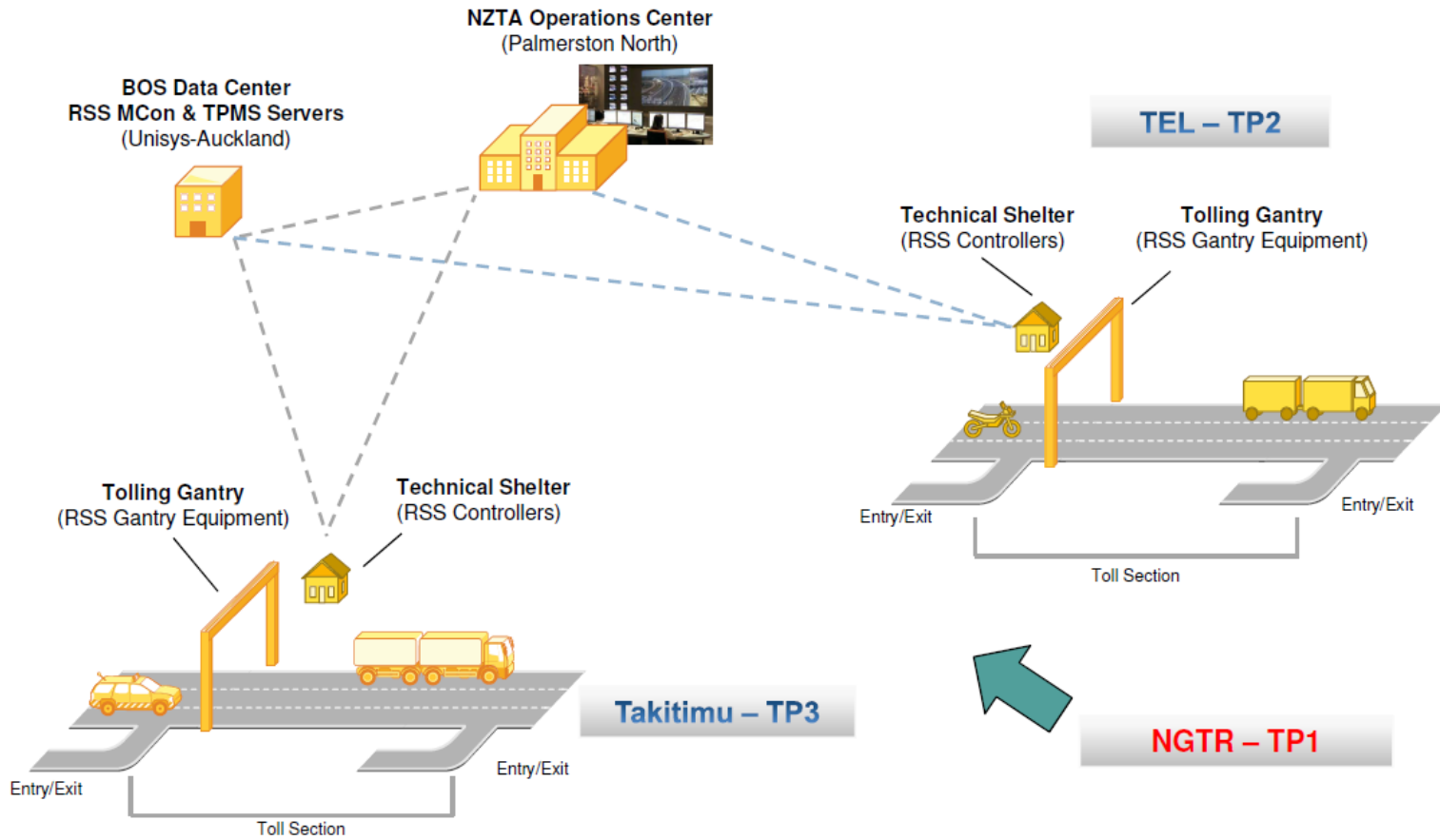
Tauranga toll roads collect \$10m so far

Friday, 15 July 2016 @ 2

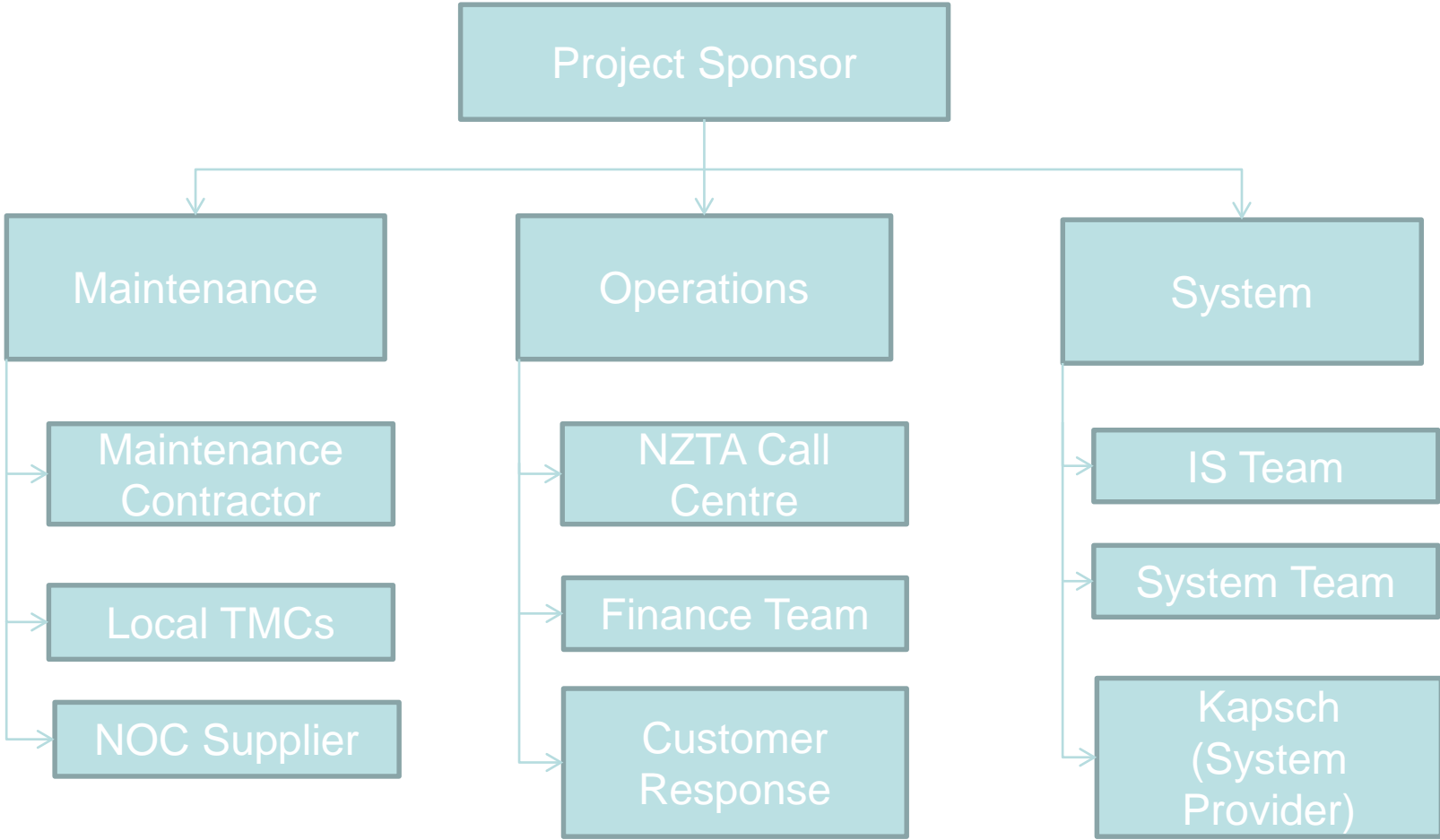


New Zealand Transport Agency statistics revealed as at May 31 the Tauranga Eastern Link (TEL) had collected \$5.455 million. PHOTO:FILE A_030715po2bop nt

Electronic Tolling Collection (ETC) System Overview



Working Groups



System Accuracy and Reliability

- *Set Up Roadside Tolling Equipment Maintenance Contract*
- *Proactive and Collaborative Risk and Incident Management*
 - *Bird Issue*
 - *Tele-Communication Channel Failure*
 - *Power Quality Issue*



Optimal Use of The Toll Road

- *Proactively communicate with NZTA internal staffs, TMCs, NOC suppliers, and customers*
- *Plan the physical work well and in advance to minimise disruption to the traffic*
- *Arrange the site meetings with roading contractors to reduce the impact on the system performance.*
- *Manage the maintenance and operational activities smarter*
- *Monitor the traffic conditions 24/7, and team up to implement the agreed incident management plan*



Conclusion

- *The aspiration of the Agency is to create transport solutions to produce a safe, effective, efficient and resilient transport system.*
- *The tolling system enhances people's journey experience, and the customers appreciate that the toll paid is value for money and reflects the Agency's aspiration.*
- *This may set a precedent and ongoing acceptance of future applications of tolling.*