



# Customer Driven Design

## - Pavement Design and Construction in Auckland

Yang hee An, Beca Infrastructure Ltd

REAAA Young Presenter Competition 2011

# Outline

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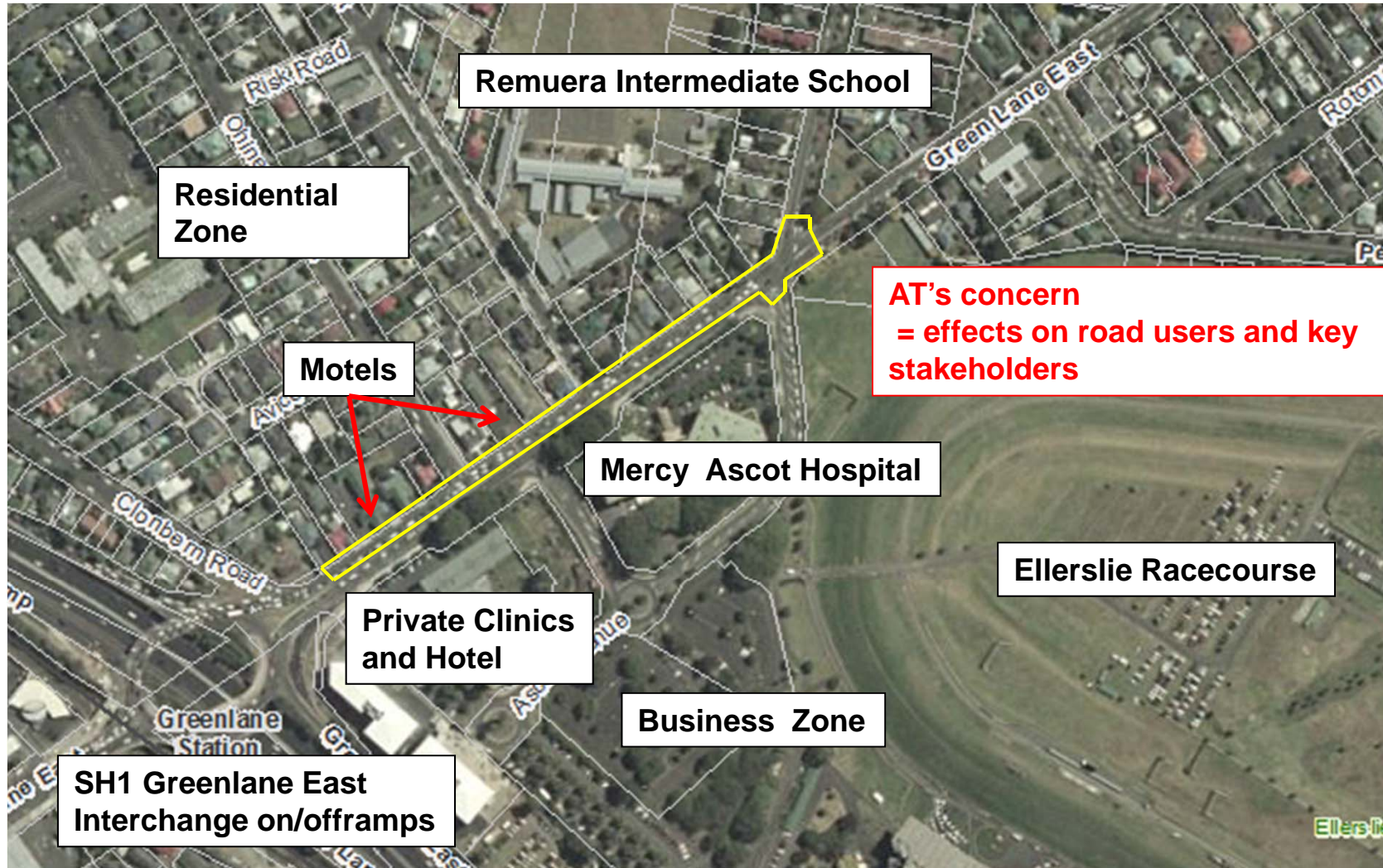
- What's Auckland Transport's main concern?
- What are the design considerations?
- What we did at Greenlane East?

# Customer Driven Design Factors

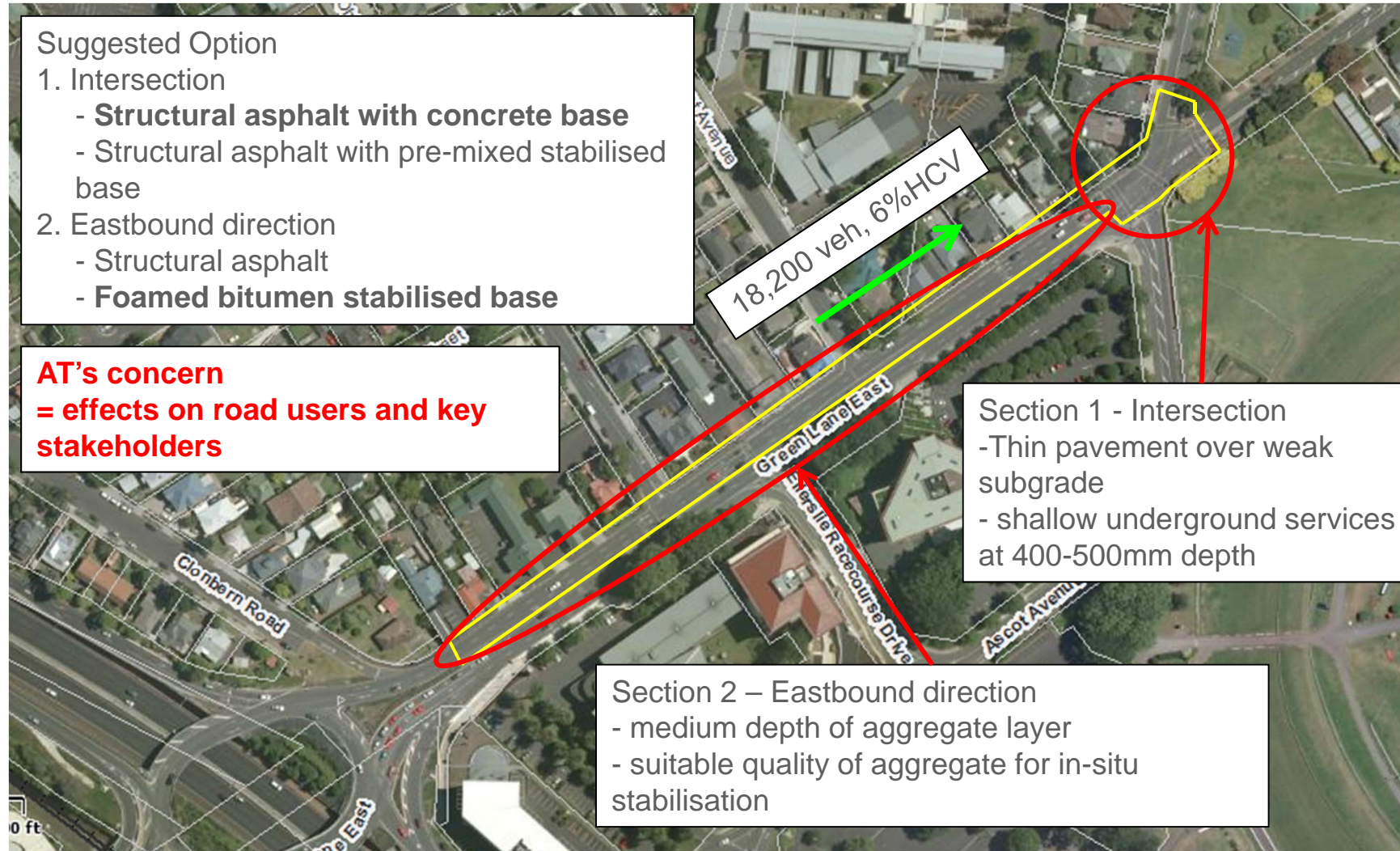
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- Road type – major or minor road
- Site location – surrounding residents and stakeholders
  - eg. Hospital, school and fire services etc
  - proximity to motorway on/offramps
- Land use – residential, commercial and industrial zones
- Utility services – type, location and depth
  - critical outage

# Case Study – Greenlane East



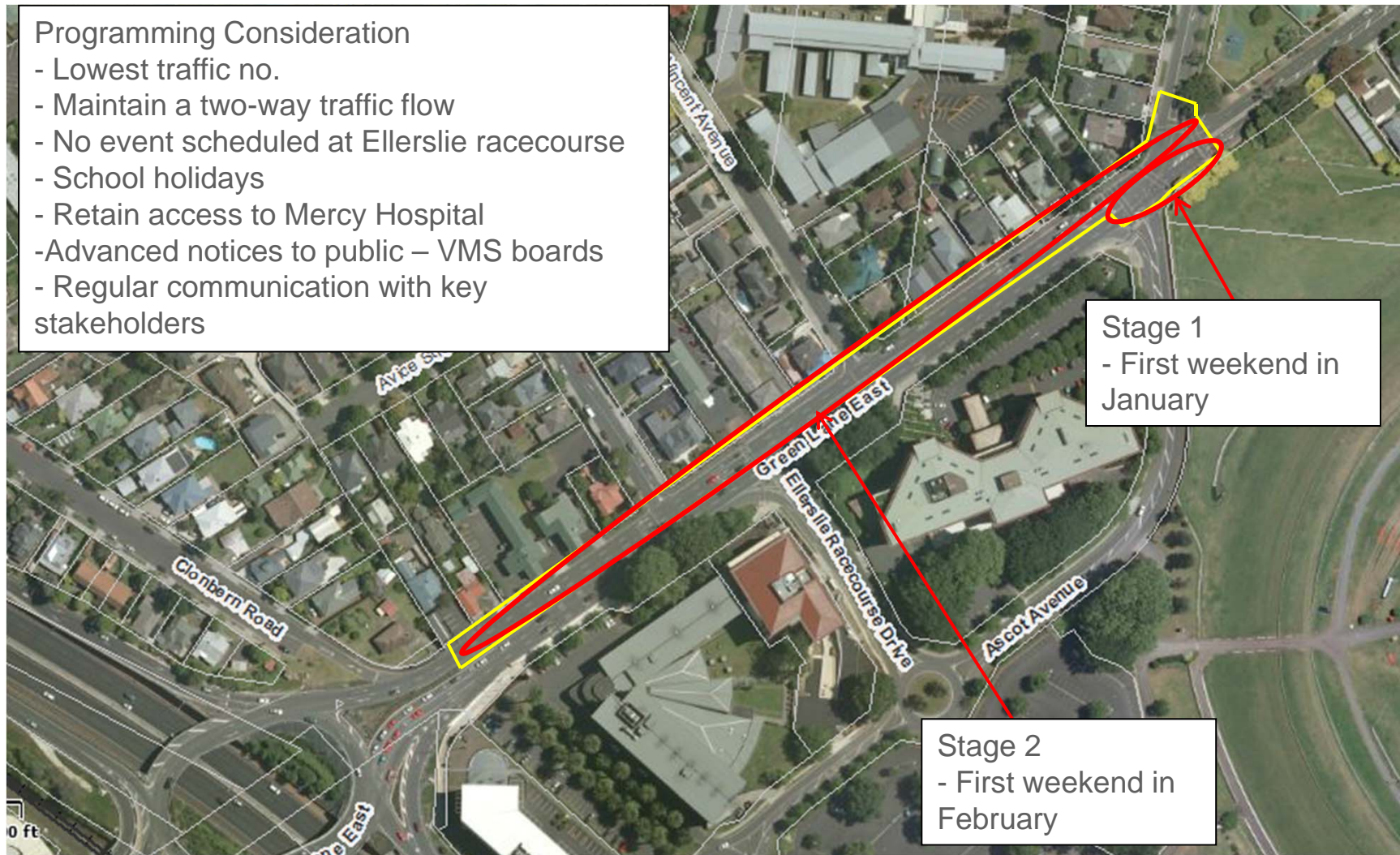
# Case Study – Greenlane East



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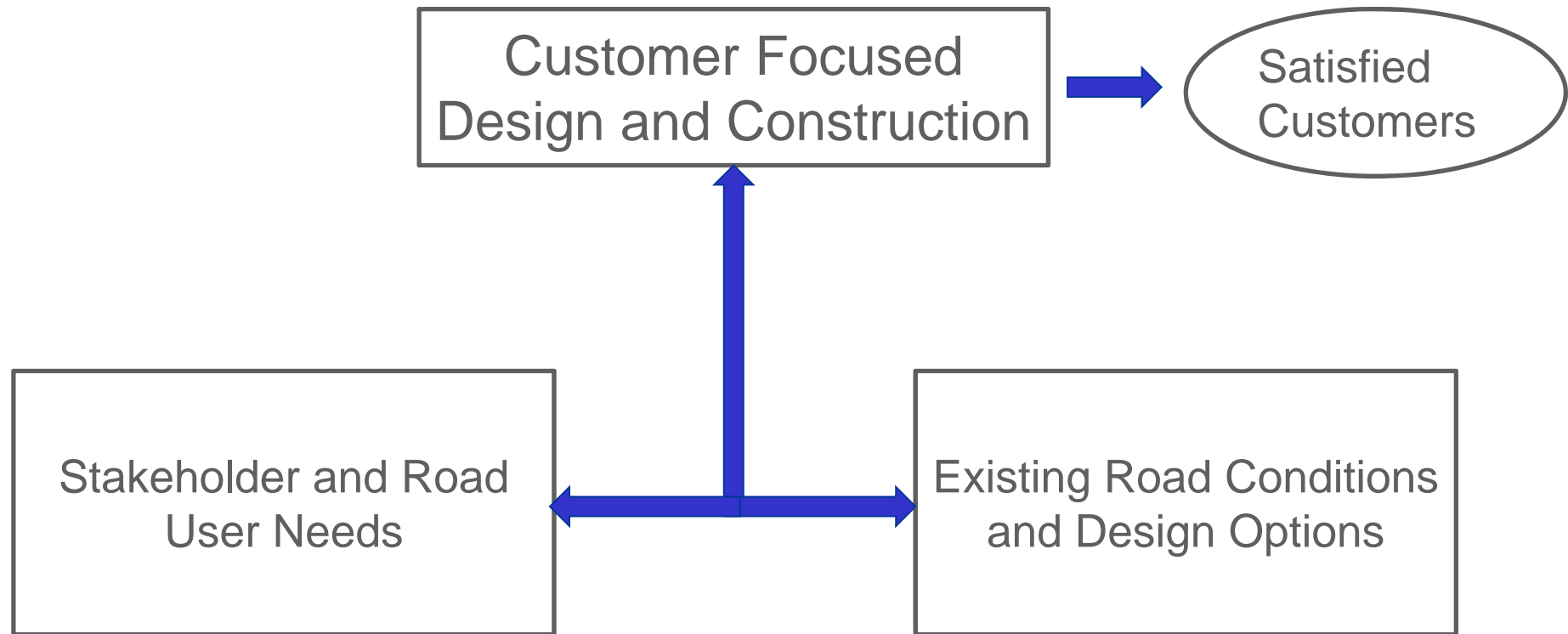
## Programming Consideration

- Lowest traffic no.
- Maintain a two-way traffic flow
- No event scheduled at Ellerslie racecourse
- School holidays
- Retain access to Mercy Hospital
- Advanced notices to public – VMS boards
- Regular communication with key stakeholders



# Conclusion

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# Acknowledgement

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- Thanks to my Beca colleagues
  - Bruce Chappell, Richard Steel and Stanley Lee
  
- Thanks for listening
  - Questions