Estimating a Cycle AADT

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Overview

- Cycle AADT – why?
- Methodology
- Daily and weekly profiles
- Source for procedure
- Recommendation
- Call for further data

Cycle AADT – why?

n AADT estimate required for Transfund funding applications

   n Benefit calculations based on cycle AADT

   n AADT = average annual daily traffic

Methodology

n Data collected using SCATS detectors

  n 11 detectors in pathways and cycle lanes monitored

  n 12 months of continuous data

n Acknowledgement

  n Aaron Roozenburg, Beca
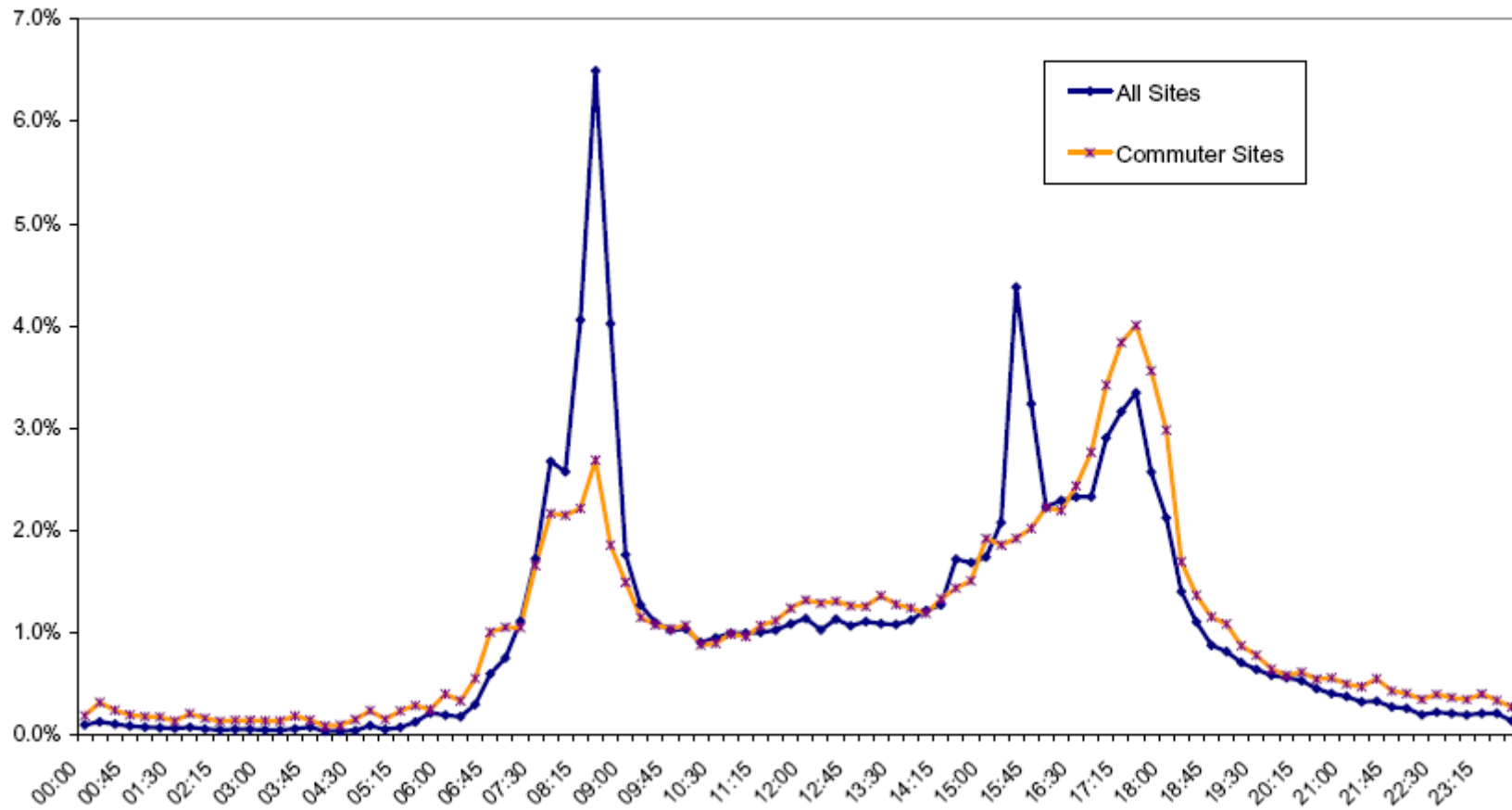
Daily Profiles

n Significant difference between commuter and mixed sites

   n Mixed = both commuters and school cyclists

   n Mixed sites have two afternoon peaks

   n School sites have a higher am peak

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Daily Profiles

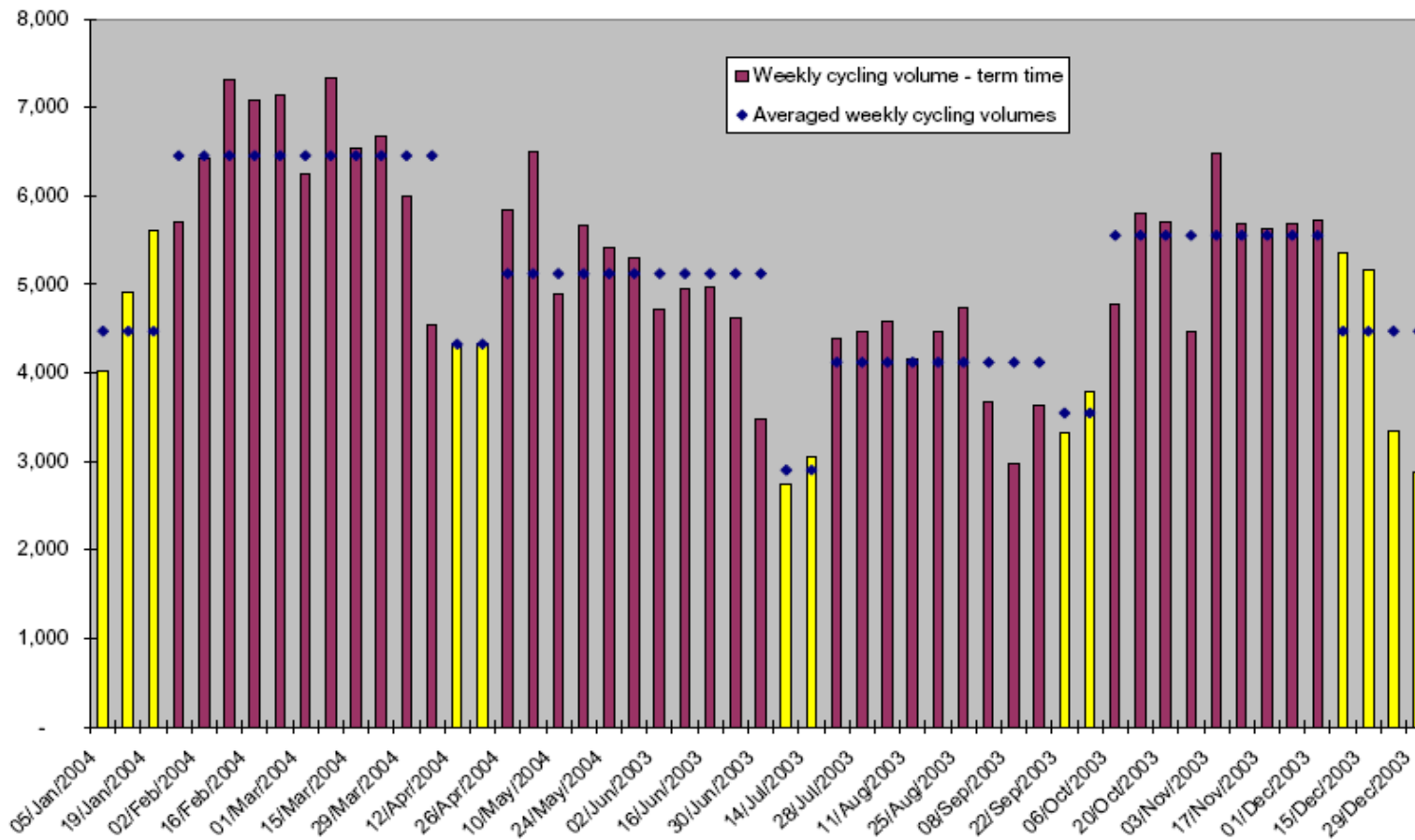Daily Cycling Profile (15-min intervals)

Weekly Profiles

- n Seasonal variations
  - n Weekly profiles within each school term are similar
  - n Also similar during school holidays
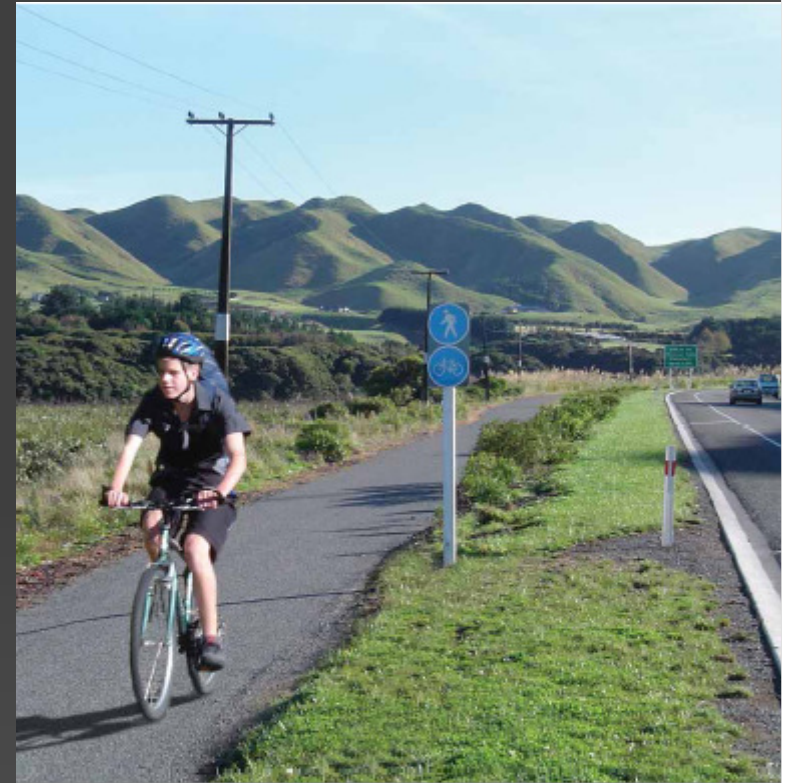 - n But big variations during summer holidays

Weekly Profiles

Weekly Total Cyc Prof (Jan-Dec)

Source for Procedure

- Procedure included in new LTSA guide
- *Cycle Network and Route Planning Guide*

CYCLE NETWORK AND
ROUTE PLANNING GUIDE

transportsafety

Recommendations

- Use Christchurch data in absence of local data
- Individual counts fluctuate (weather!) – ideally average several counts
- 60 minutes minimum count period
- Count am peak, after school, and pm commuter peak
- Don't scale summer holiday counts

Call for further data

n Contact me if you'd like to collect SCATS data

n Will use data to refine the procedure

n Thank you