PEM Amendments:
Simplified Procedures Cycle Facilities

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Introduction

- ► Transfund PEM Amendment 'Simplified Cycling Procedures'
  - ▪ Projects < $400,000
- ► Procedure based on estimating Cycle AADT
- ► Purpose of Remit: Suggest Methodology for Estimating Cycle AADT

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Cycle Counting Techniques

► Manual Counts

► Automatic Bicycle Counting

- Separate Remit by Andrew Macbeth (MWH)

Manual Counts

▶ Highly Recommended

- Even when Automatic Counts undertaken
- Establishes User Type Profile
- Note 'special observations'
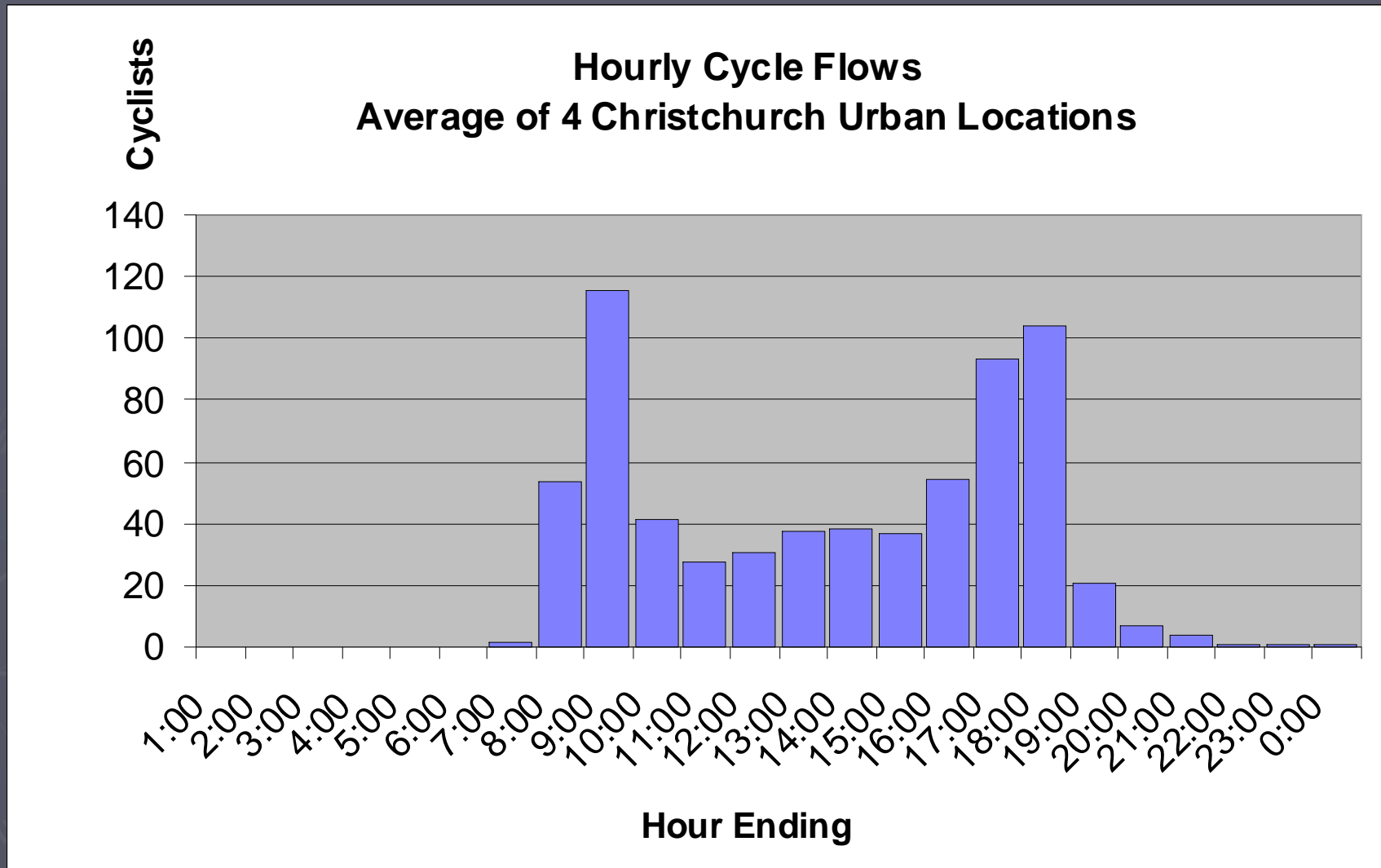- Count School Children Separately

▶ Count Form to Record

- Total Cycle #s
- School Proportion
- Date, Time, Count Staff Name, and Weather

Conversion
Peak Hour to Daily Flow

► 24h Cycle Profile available for several Christchurch Sites

► All with similar Profile

► Data in 15min Blocks

► Conversion Factors

- Peak Hour -> 24h

Daily Profile

Hourly Cycle Flows
Average of 4 Christchurch Urban Locations

Conversion
Daily Flows to AADT

► Make Allowance for School Holidays

► Make Seasonal Allowance

► No Data Available – Based on Engineering Judgement

Conclusions

► Transfund now Provides Funding for Cycle Projects

► Simplified Procedures based on estimating Cycle AADT

► Author can make Spreadsheet Procedure Available on Request