

Progress Report – 11.2019 PSG Meeting

Shican Liu, B Wiwatanapataphee, YH Wu

- 1. Computer Models for Kwinana Freeway Network
- 2. Simulation Module
- 3. Data Analysis

Liu-Wiwatanapataphee-Wu

Liu-Wiwatanapataphee-Wu

1. Computer Models for Kwinana Freeway Network

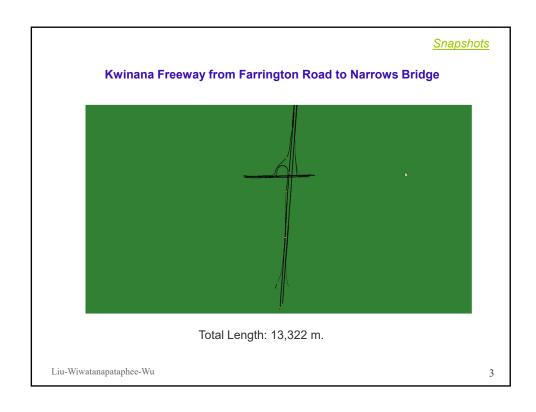
Narrows Bridge

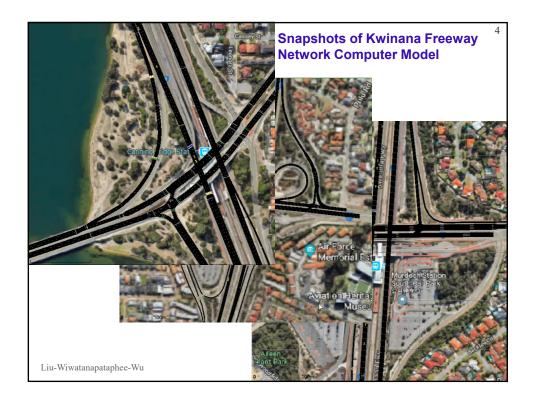
Canning Bridge

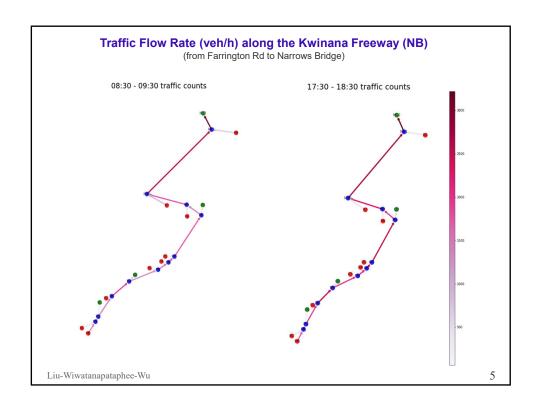
Bull Creek

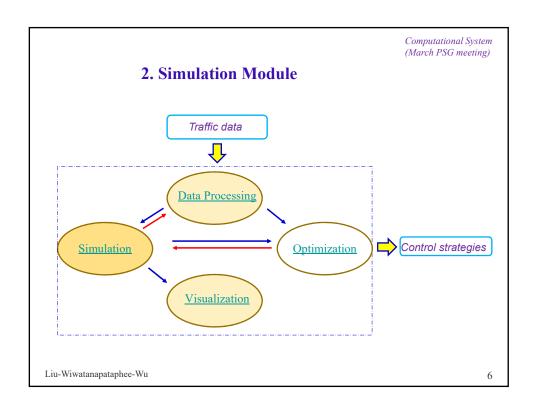
Murdoch

Farrington Road

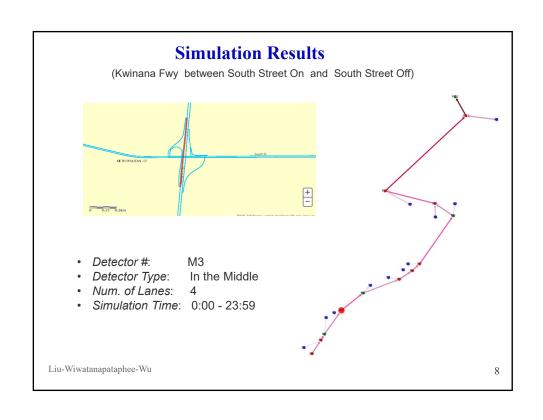


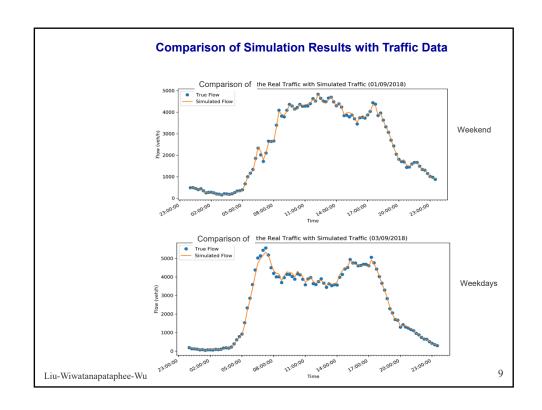


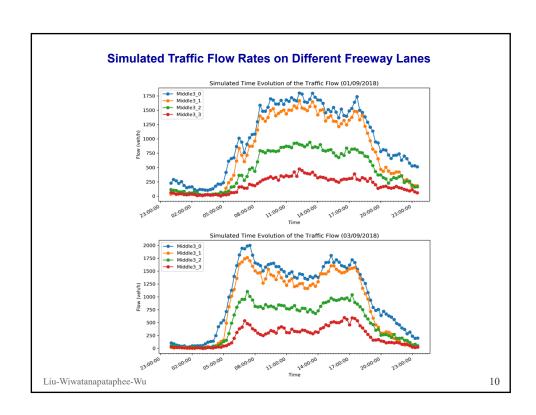


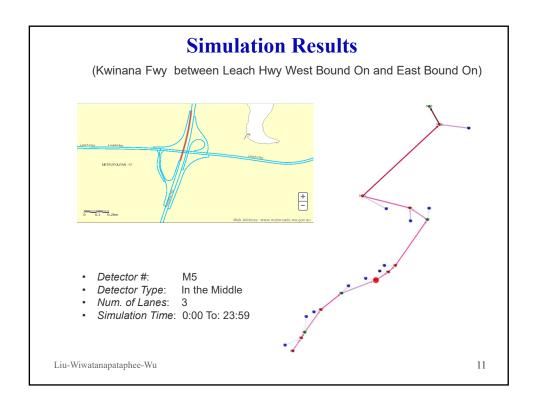


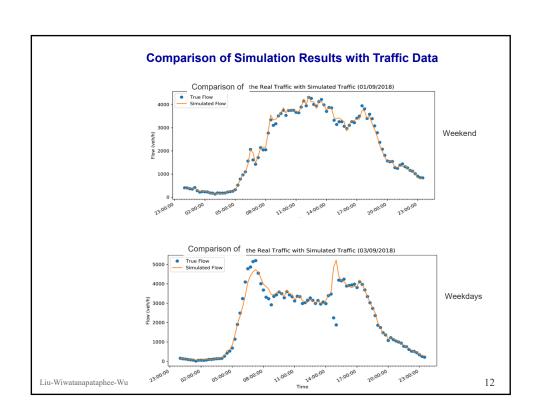


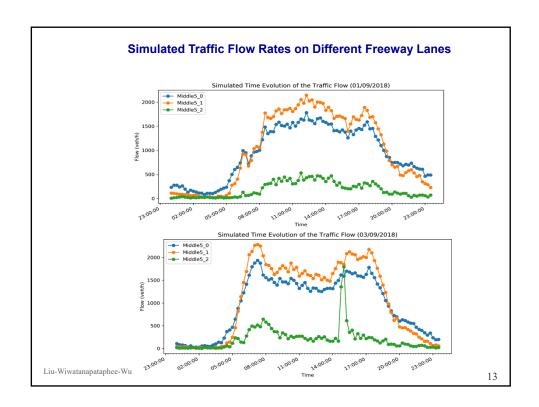












Computational System (March PSG meeting)

3. DATA Analysis

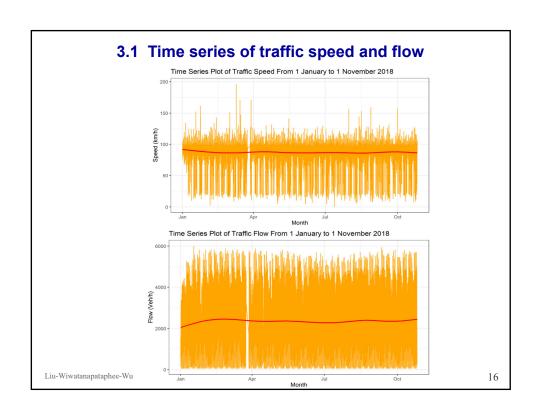
Kwinana Fwy NWB between Manning Rd On & Canning Hwy On

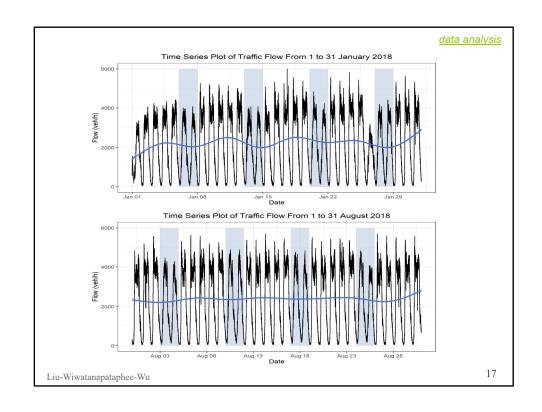
- > Time series of traffic speed and flow
- Diagrams of traffic flow
- ➤ Time series of rainfall
- > Proportion of incidents in each NPI link
- Effects of rainfall / incidents on traffic flow
- ➤ Effects of incidents on traffic flow diagrams

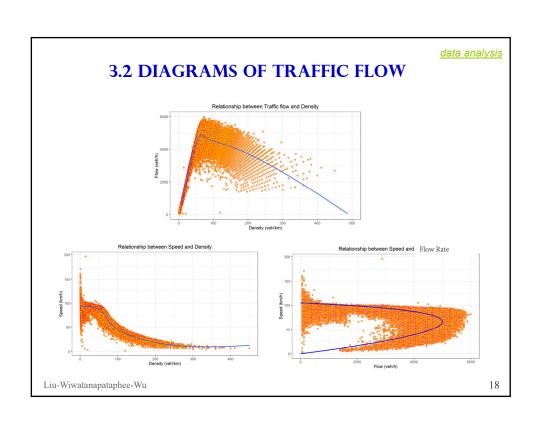
Liu-Wiwatanapataphee-Wu

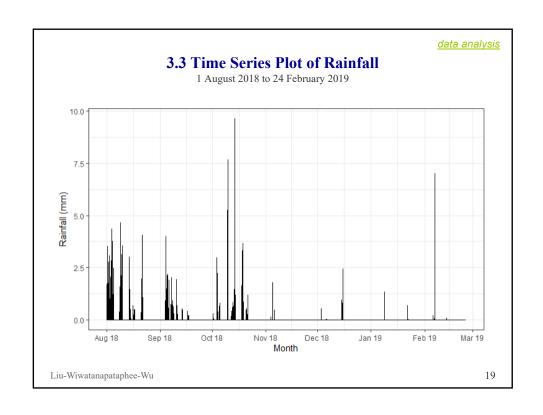
14

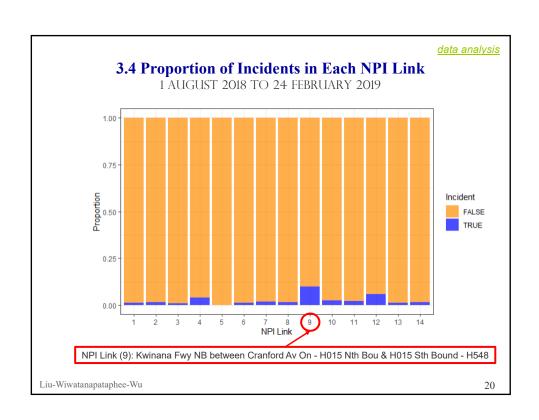












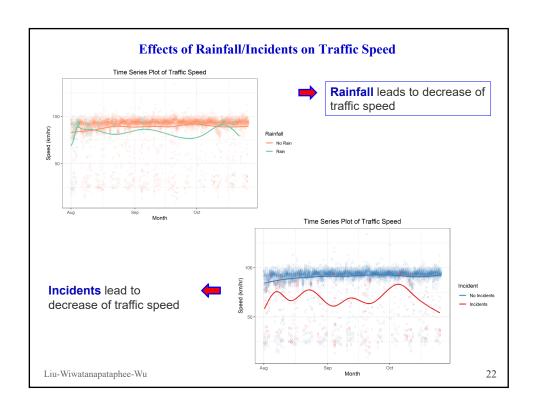
3.5 Effects of Rainfall/Incidents on Traffic Flow

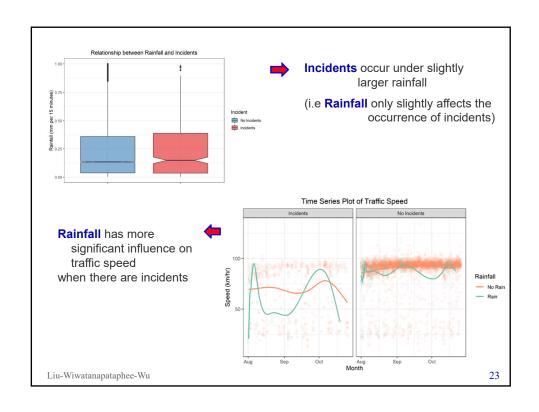
NPI Link (9): Kwinana Fwy NB between Cranford Av On - H015 Nth Bou & H015 Sth Bound - H548

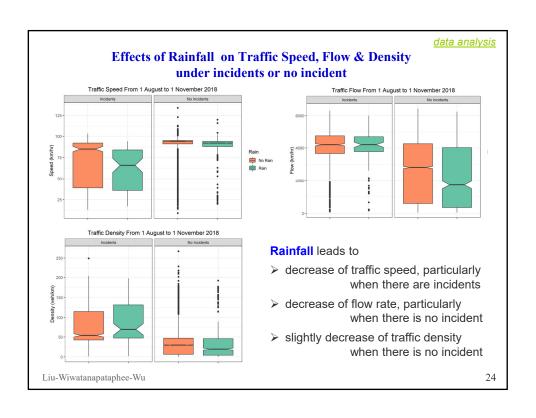


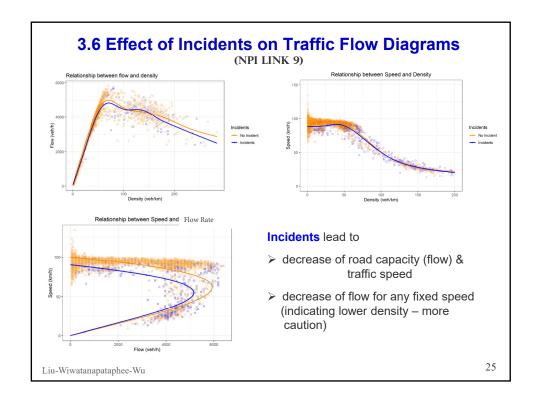
Liu-Wiwatanapataphee-Wu

21









THANK YOU

26