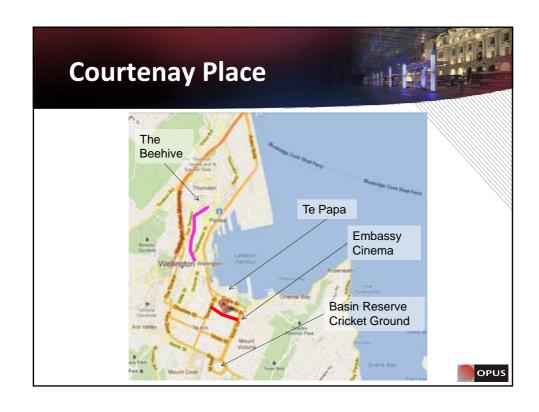


Today's Presentation

- The Courtenay Place Project
- Pedestrian Data Collection
- Pedestrian Modelling
- Lessons Learned

OPLIS







Identify: • the effects of the proposed bus priority • how it would work "on the ground" • how the design could be improved

Study Objectives

3

Transport Modelling

- Stage 1 SATURN Modelling
- Stage 2 micro simulation modelling but which package?

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Data Collection

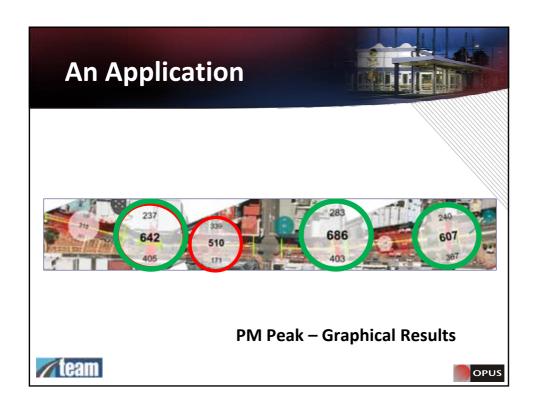


- Classified Vehicle turning count surveys at intersections
- Journey time surveys
- Bus stop dwell time surveys
- General traffic behaviour observations
- Pedestrian Surveys
- Bus passengers volume surveys at Bus stops
- Other site observations

OPUS

Pedestrian Tracking Software Software is Windows, Linux and Android based Permits the tracking and collection of Space -Time details of any object within a defined surveyed area OPUS OPUS







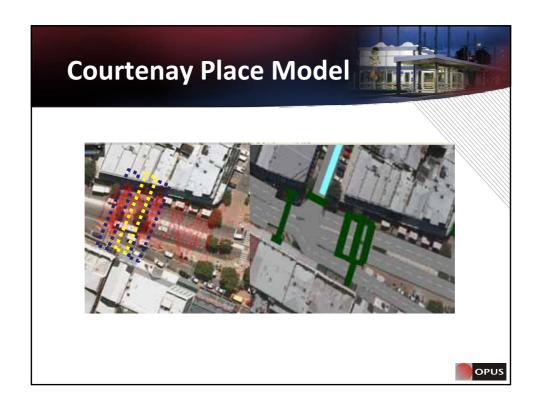
An Application



For the Two Hour AM, IP and PM peaks observed

- 35,000 pedestrian crossing movements observed
- PM Peak had most crossing movements with 15,000
- 4800 "Jaywalkers" = 14%
- 50% of "Jaywalkers" at the existing signalised crossings

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Courtenay Place Model



- Pedestrian Level of Service Improvement
- Uncomfortable level of pedestrian density could be an issue
- Improved travel time (including buses)
- Signal Optimisation required
 - NOT just cycle time and phase time but ALSO Phase Plan
- "Bus bunching "still an issue

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Future Applications



- Pedestrian Safety Assessment
- Pedestrian Crossing Facilities
- Public Transport Terminals
- Special Events
- Urban Space Design
- Evacuation Analysis

OBLIS





