

31 August, 2022

# Transport and Land Use Research Symposium – PTRG Research

Prof Graham Currie FTSE Public Transport Research Group Monash Institute of Transport Studies Monash University, Australia





#### Legacy Projects – SEPT GRIP

- A new approach to study the relationship between the built environment and transit use – Dr Laura Aston, DoT
- Placemaking and Streetscape Design: Exploring the Impacts of Tram Network Modernisation on Subjective Perception of Place Quality – Dr Matt Diemer, Yarra Trams
- Exploring Service Concentration, Service Coverage and Resourcing in Urban Bus Networks – Dr Nora Estfaller, Transdev

#### 2021-2022 – FYP Student Projects Underway

- Victorian Department of Transport:
- a. Development/Management Existing & New Potential Bike Paths on Rail/Tram Corridors - Lessons for MR5
- b. High Capacity Bus Deployment Lessons Learned
- Metro Trains
- f. Exploring the Accessibility Impacts of Additional Station Access Point Improvements

## 2021/22- Industry Projects Underway

g Term Impacts of Covid-19 on Travel in Melbourne – for Victorian

### 2021/22- ARC Projects Underway

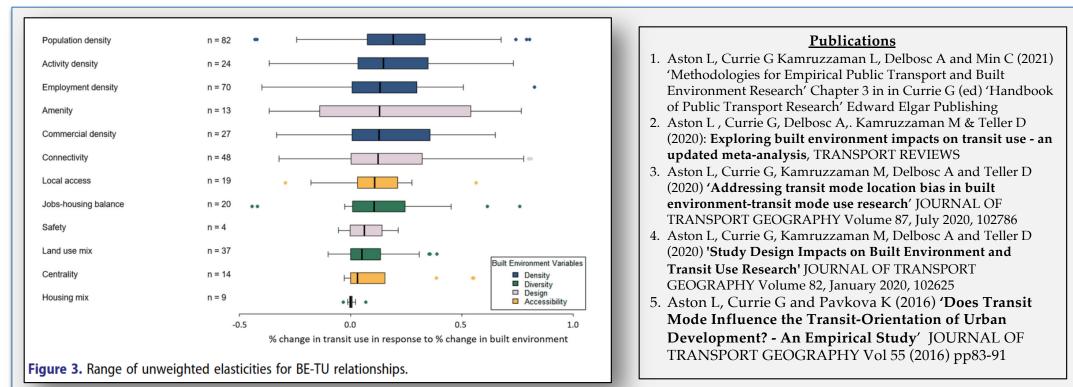
The long-term effects of autonomous cars on land use, access and travel – Australian Research Council DP200100952

#### 2021-2022 – PhD Projects Underway

- Exploring the Transport (VoT) impacts of Autonomous Vehicles (Fuad Huda)
- Exploring the Transport (Land Use) impacts of Autonomous Vehicles (Allan Ribeiro Pimenta - MADA)
- Improving renewable energy applications for electric public transport (depot location) – Adel Karama







Source: Aston L , Currie G, Delbosc A, Kamruzzaman M & Teller D (2020): **Exploring built environment impacts on transit use - an updated meta-analysis**, TRANSPORT REVIEWS





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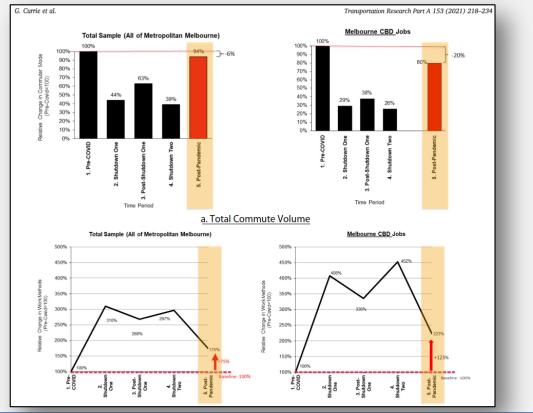






- Delbosc A, Currie G Jain T and Aston L (In Press) "The 'renorming' of working from home during COVID-19: A Transtheoretical behaviour change model of a major unplanned disruption" Transport Policy Submitted 18-02-2022
- Currie G, Jain T and Aston L (2021) "Evidence of a Post-COVID Change in Travel Behaviour - Self-Reported Expectations of Commuting in Melbourne" Transportation Research Part A Volume 153, November 2021, Pages 218-234
- 3. Jain T Currie G and Aston L (2022) "COVID and Working from Home: Long-term Impacts and Psycho-social Determinants" TRANSPORTATION RESEARCH PART A Volume 156, February 2022, Pages 52-68

Source: Currie G, Jain T and Aston L (2021) "Evidence of a Post-COVID Change in Travel Behaviour - Self-Reported Expectations of Commuting in Melbourne" Transportation Research Part A Volume 153, November 2021, Pages 218-234







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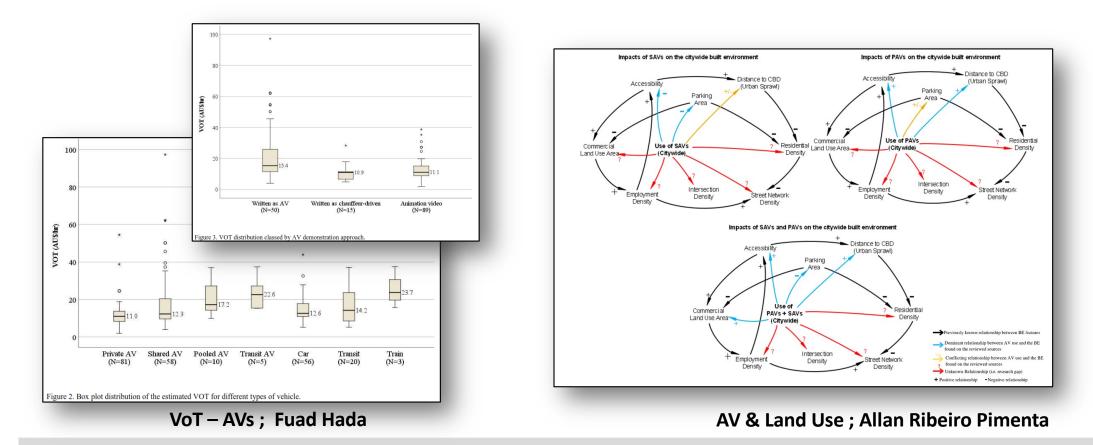
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- (depot location) Adel Karama











#### 2022/2023+ - Industry Projects in Bid/Development

- Long Term Impacts of Covid-19 on Travel in <u>Perth</u> for Public Transport Authority, Western Australia
- Travel and Location Choice Decisions in COVID-19 for DoT
- Understanding and Managing Unplanned Rail Disruptions for DoT
- Understanding and Managing Planned Transport Disruptions for DoT
- TCRP Analysis of Public Transportation Health Impacts and Benefits – Iowa State, MUARC

#### 2022/23+- ARC Projects in Bid

Post-COVID cities: understanding new dynamics between people and places- ARC DP2301001658



