

**ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE  
2016/17 BUDGET ESTIMATES HEARINGS  
QUESTIONS PRIOR TO HEARING**

**Main Roads Western Australia**

**Hon Ken Travers MLC asked:**

*I refer to the rezoning of land across many areas in the City of Joondalup that was approved in early 2016 and ask:*

- 1. What modelling was undertaken to determine the impact of these re-zonings on local roads?*
- 2. What modelling was undertaken to determine the impact of these re-zonings on regional roads servicing the City of Joondalup?*

Answer 1-2: In February 2016, Main Roads modelled in ROM24 zone boundary changes, land use updates and network changes as specified by the City of Joondalup. A four step process was run including trip generation, trip distribution, mode split and traffic assignment.

- 3. How many additional vehicles are expected will use local and regional roads as a result of these re-zoning in 2031 and at full build out? If these dates are not available please provide modelling for the dates available?*

Answer: The Trip Assignment step was undertaken at the City of Joondalup.

- 4. Does the modelling undertaken assume the same level of local employment self-sufficiency that is currently being achieved?*

Answer: The City of Joondalup has included assumptions and scenarios that takes into account various levels of local employment self-sufficiency in its traffic modelling.

- 5. If no to (4), what level of employment self-sufficiency was assumed for 2031 and at full build out? If these dates are not available please provide modelling for the dates available?*

Answer: Please refer to part 4.

- 6. Does the modelling undertaken assume the same transport mode share that is currently being achieved?*

Answer: No. The transport mode shares were estimated as part of the modelling process during the mode split step. The mode shares are a function of inputs such as land use and transport networks. As a point of comparison, the estimated Public Transport share across the Perth Metropolitan Area during 2002-2005 was 4.1% as captured by the Perth and Regions Travel Survey.



7. *If no to (4), what transport mode share was assumed in 2031 and at full build out? If these dates are not available please provide modelling for the dates available?*

Answer: The estimated Public Transport share in the 2031 modelling undertaken was 7%.

A handwritten signature in black ink, consisting of a large, stylized loop followed by a smaller mark.