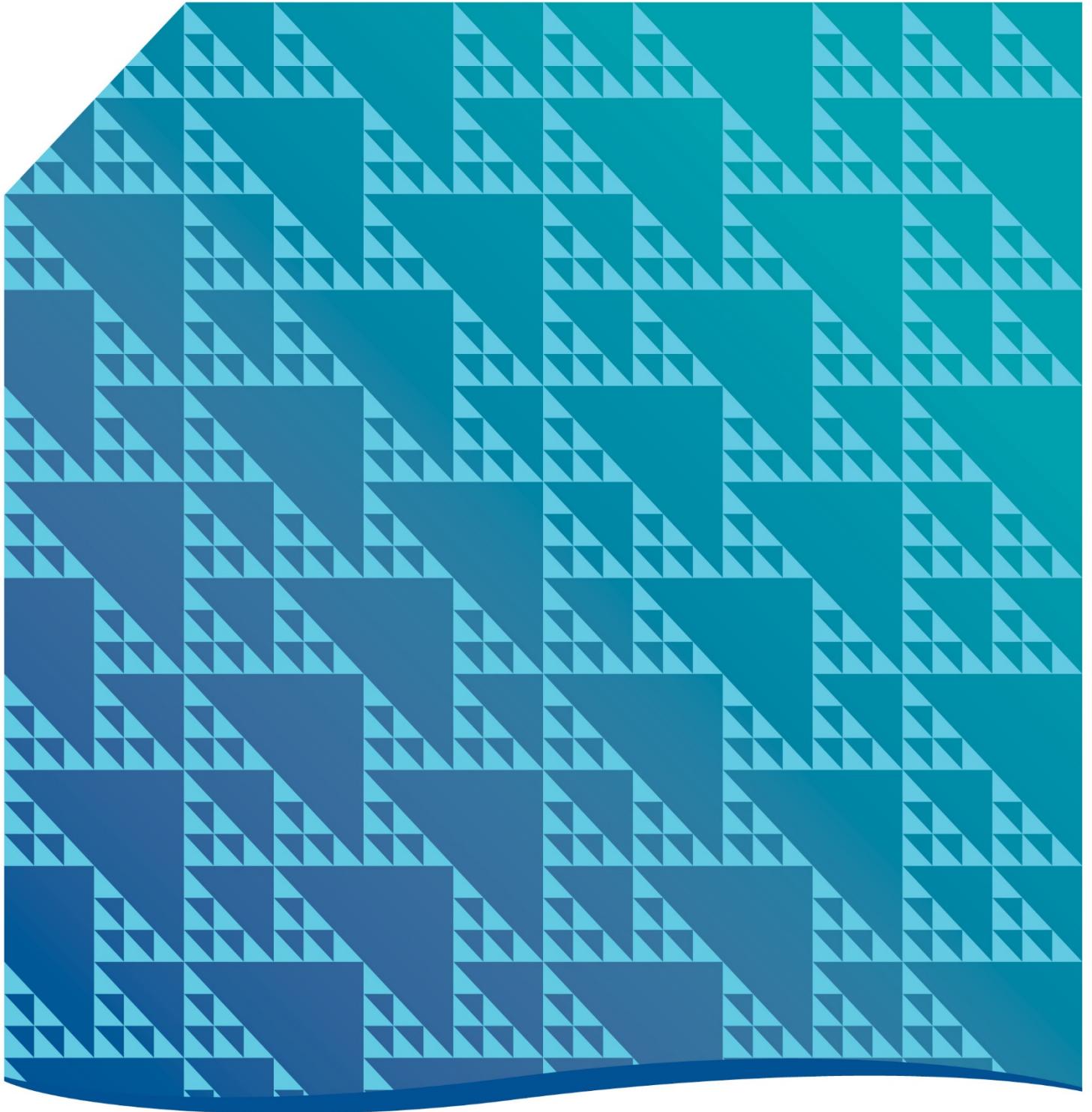


Summary Report - Traffic Impacts of Southern Projects



Summary

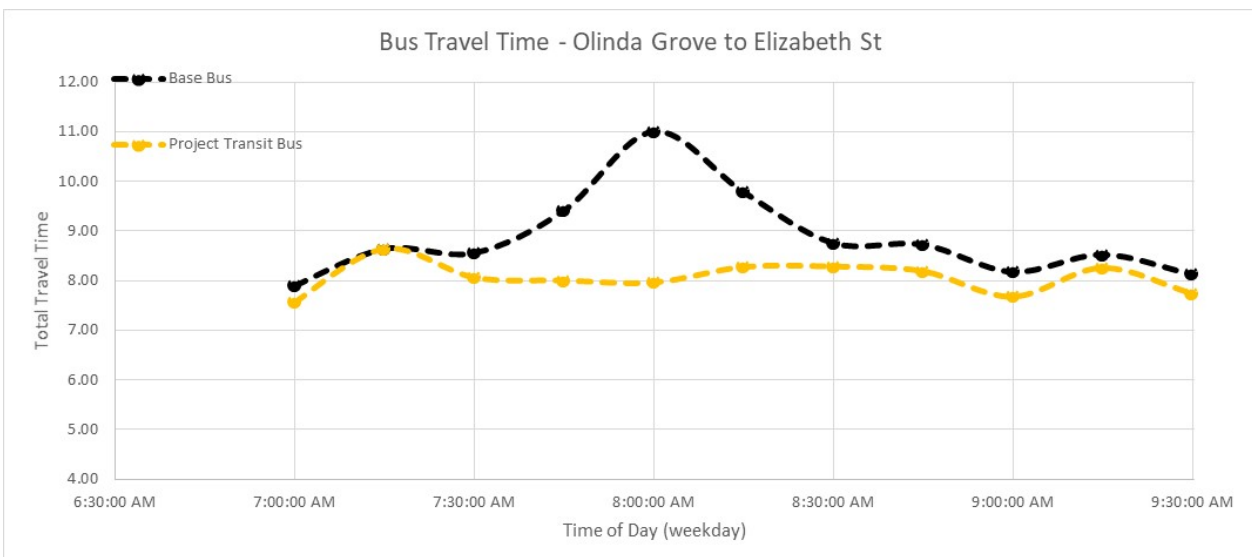
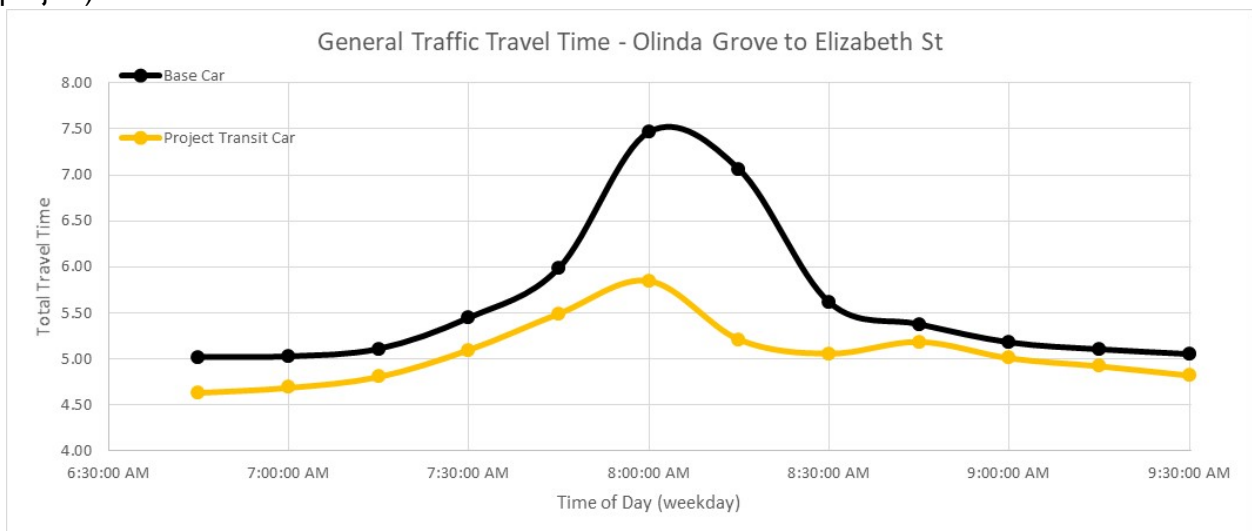
Project overview

The Department of State Growth is undertaking a planning study to determine the feasibility of installing bus priority measures on the Southern Outlet and on sections of Macquarie and Davey Streets in Hobart. A hybrid traffic model has been developed utilising the Department's Hobart Mesoscopic Model to provide detailed results on the performance and impacts this treatment would have on the road network.

The Department has undertaken significant modelling, testing to varying degrees in excess of fifty different scenarios, to determine which scenario had both a positive impact on Transit movements (Bus and T3 traffic), as well as ensuring that general vehicle traffic was not penalised.

Modelling Summary

The Department landed on a project scenario that has a transit lane (for buses and T3 vehicles) being in place between Olinda Grove and Ispahan Avenue to maximise transit improvement and improve general traffic flow. (See attachment for detailed analysis of this modelling). These modelled results are shown against the Base Case (no project) below.



Conclusion

The final modelling results demonstrate there is a project case in which both transit (buses and T3 vehicles) and general traffic are significantly advantaged more than the base case. Therefore, there is significant benefit to all modes of transport by constructing the T3 lanes between Olinda Grove and Ispahan Avenue.

Ultimately, bus lanes on Macquarie and Davey Streets will be considered once the passenger transport system is more mature as a mode of choice and other supporting measures are implemented (for example, common ticketing, real time information, bus rapid transit, park and ride and active transport connections). Currently, under existing bus service configurations there is a negligible improvement to bus travel times as a result of installing a dedicated bus lane.

While these treatments have not been recommended for the project, bus priority measures on Macquarie and Davey Streets will be achieved by other means (including signal timing and clearway management), which will be implemented as part of this project.



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