



**SMEDTECH**  
TECHNICAL & STRATEGIC



# M80 RING ROAD

The M80 Ring Road Upgrade project will widen 38km of freeway from Laverton to Greensborough with an estimated cost of \$2.25 billion.

**Project Scope:** The M80 Ring Road Upgrade will widen 38km of freeway from Laverton to Greensborough. The project involves:

- Additional lanes along the full length of the M80 Ring Road;
- Braiding of ramps to remove weave areas;
- Widening entry and exit ramps to provide more capacity and reduce flow breakdown; and
- Installation of a freeway management system including ramp metering and overhead lane and speed control.

**Services:**

SmedTech have provided traffic engineering and microsimulation modelling assistance to the M80 Project Team throughout each of our engagements. The traffic engineering advice supports the development of the design volumes, mainline and interchange layouts, where the microsimulation modelling assesses the performance of these layouts and recommends further refinements if required.

SmedTech team members have previously assisted the M80 project team with updated traffic volumes to take into consideration land and population changes.

This initially focused on the Plenty Road to Greensborough Bypass section, with SmedTech reviewing the initial layout and proposing changes to accommodate the revised traffic forecasts.

The SmedTech team has also assisted in the tender evaluation of the Sydney Road to Edgars Road section of the upgrade. This involved reviewing the submitted designs and constructing microsimulation models to assess the performance. During this review, we identified some potential issues with the proposed upgrades which would have resulted in poor traffic performance. We recommended mitigating measures which were then incorporated into the final contract for construction.

Currently we are advising the M80 project team on the Princes Highway to Western Highway section of the project. This incorporates the critical interchange with the West Gate Freeway, which is currently being upgraded as part of the West Gate Tunnel Project. We are providing advice regarding the potential staged opening of the M80 Ring Road, as well alternate treatments such as interchange and arterial upgrade options.