

Case study

Railway Procurement Agency (RPA), 2006-ongoing

The proposed Metro North is an 18km long mass transit rail system connecting Swords to the city centre, serving Dublin Airport and a number of important communities and institutions on the north side of Dublin.



The challenge

It was officially announced by the Government on November 1st, 2005, as part of the announcement of Transport 21.

The Railway Procurement Agency (RPA), was responsible for the development of an Environment Impact Statement (EIS) to comprehensively examine all potential environmental impacts of the Metro North project.

MVA Consultancy was commissioned by the RPA, as part of the team led by Environmental Resource Management (ERM), to undertake the traffic impact assessment element of the EIS.



Our approach

The traffic assessment examined the construction and operational phases of development in inner and outer urban areas. Our assessment examined the impact of road access to the system when operational and also the impact of the system on the road network. We also examined the impacts on vehicular, public transport, pedestrian and cycling movements arising out of the construction and operation of the proposed scheme. Building on the EIS, we have recently developed a Scheme Traffic Management Plan for the construction phase of Metro North.

Our work on the Metro North project has included the following disciplines:

- Baseline traffic evaluation;
- Environmental assessment;
- SATURN highway modelling;
- Multi-modal transport modelling;
- Micro-simulation modelling;
- Multi-modal traffic related impact assessments (for construction and operational phases); and
- Identification and impact assessment of traffic management mitigation measures.