

Case Study

Project Name	Forth Replacement Crossing
Model User	Jacobs Consultancy and Arup
Ultimate Client	Transport Scotland
Model Version	TMfS:05a and the FRCM

Project Summary

TMfS:05a was used as part of the Strategic Transport Projects Review (STPR) to appraise the building of a replacement Forth Crossing.

LATIS was used to assess the expected use of the bridge in light of various economic and demographic scenarios.

It was also used to explore options for the new crossing, such as the potential inclusion of a High Occupancy Vehicle lane.

Further work involved developing a Short-Term Response version of the TMfS:05a Demand Model to test the impacts of temporary network conditions (such as roadworks) which are

assumed not to affect the underlying pattern of travel-to-work trips.

A comparison was carried out between the predictions of the standard TMfS:05a model and the 'Short—Term Responses' version.

This testing of the new variant of the model used a future-year scenario with reduced road capacity across the Forth at Queensferry, to model a scenario involving a prolonged period of lane closures (eg for major roadworks) on the existing Forth Road Bridge, with no additional crossing.

Further Information

MVA Project Manager	Kevin Lumsden
Telephone	0131 240 8918
Email	klumsden@mvaconsultancy.com

