

Road Safety Audit - New Tyne Crossing

TT2 Limited

DESCRIPTION

Mark Hedley was Audit Team Leader for all the Road Safety Audits on the New Tyne Crossing (TT2). The TT2 scheme involves the construction of a new two-lane tunnel under the River Tyne to carry southbound traffic, together with the refurbishment of the existing two-lane tunnel to carry northbound traffic.

With regard to the new tunnel, the scheme related to this project specifically comprises:

- A northern approach ramp and associated road works including the construction of a new ten-lane toll plaza;
- A northern and southern cut-and-cover tunnel;
- An immersed tube tunnel;
- A southern approach ramp and southern interchange; and
- New infrastructure works for ventilation and administration buildings and sub-station.

In respect of the existing tunnel, the improvements comprise:

- The provision of new pedestrian escape shafts, one on each side of the river; and
- The upgrading of the toll collection facilities and plaza.

OBJECTIVES AND CHALLENGES

As noted, this project involves the provision of Road Safety Auditing services of the scheme detailed above at various stages of design development, together with Road Safety Audit of Temporary Traffic Management related to the improvements.

ADDED VALUE AND BENEFITS

- Audit Team Leader providing comprehensive technical support providing added value over and above Road Safety Audit
- Application of principles from UK standards (HD19/03) ensured the highest possible standard of assessment

Project Value
£139 Million

Date
September 2008 to Present

RSI Contact:
Mark Hedley

SOLUTIONS

- Production of individual route/phase reports identifying problems and potential solutions / recommendations
- Recommendations supported by extensive UK research
- Day and night time assessment of conditions to identify road safety hazards related to differing conditions

