

**A report on behalf of Transport Scotland and in
association with Natural Capital**

Forth Replacement Crossing

**Sustainability Appraisal and Carbon Management
Report**

Appendix 4:

**Testing Scheme Objectives against Project
Sustainability Objectives**

November 2009

Appendix 4: Testing Scheme Objectives against Project Sustainability Objectives

Scheme Objectives	To maintain cross-Forth transport links for all modes to at least the level of service offered in 2006	To connect to the strategic transport network and aid optimisation of the network as a whole	To improve the reliability of journey times for all modes	To increase travel choices and improve integration across modes to encourage alternative modes of transport for people and goods	To improve accessibility and social inclusion	To minimise the impacts of maintenance on the effective operation of the transport network	To support sustainable development and economic growth	To minimise the impact on people, the natural and cultural heritage of the Forth area
Project Sustainability Objectives								
1. To design, build and operate a reliable crossing	✓	✓	✓✓	✓	✓	✓✓	✓	0
2. To contribute to the improvement of cross-Forth access to economic opportunities	✓	✓	✓	✓	✓	✓	✓✓	0
3. To contribute towards the development of cross-Forth public transport opportunities	✓✓	✓✓	✓	✓✓	✓	0	✓	?
4. To minimise the scheme footprint and severance of land	0	0	0	0	✓	0	0	✓
5. To adopt sustainable resource management in design and construction	0	0	0	0	0	0	✓✓	✓
6. To ensure that community engagement takes place at all the key stages in the FRC project process as set out in 'Engaging with Communities'	0	0	0	✓	✓✓	0	0	✓
7. To improve local accessibility and reduce community severance	✓	0	0	✓✓	✓✓	✓	0	✓
8. To provide a scheme that accommodates the needs of disabled people	0	0	0	✓	✓✓	0	0	0
9. To contribute to the promotion of healthy lifestyle opportunities and social inclusion	✓	✓	0	✓	✓✓	0	0	0
10. To provide a safe design for both vehicle travellers and non-motorised users	✓	✓	✓	✓	✓	0	0	✓
11. To reduce, reuse and recycle materials and products where practicable	0	0	0	0	0	0	0	✓
12. Seek to minimise embodied energy and carbon associated with the construction of the scheme	0	0	0	0	0	0	✓	✓

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Project Sustainability Objectives								
13. To minimise carbon emissions once the scheme is open to traffic	0	✓	0	✓	0	0	✓	✓
14. To protect and enhance the natural heritage including local biodiversity	0	0	0	0	0	0	0	✓✓
15. To protect the landscape, historic environment and cultural heritage	0	0	0	0	0	0	0	✓✓
16. To reduce noise and air emissions	0	0	✓	✓	0	0	0	✓
17. To protect water quality, geomorphology and maximise the use of sustainable drainage systems for environmental and hydrological benefit	0	0	0	0	0	0	0	✓✓