



# **Appendix J: Warrington Western Link**

Analysis of Monetised Costs and Benefits  
(AMCB)

15 December 2017



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# Issue and Revision Record

Revision	Date	Originator	Checker	Approver	Description
S2.0	25/10/17	George Wells	Mark Smith	Tony Millward	Draft for client review
S2.1	03/11/17	George Wells	Mark Smith	Tony Millward	Client Issue
S2.2	03/11/17	George Wells	Mark Smith	Tony Millward	DfT Submission
S2.3	19/12/17	George Wells	Mark Smith	Tony Millward	DfT Issue

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# Contents

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**Table 1: Analysis of Monetised Costs and Benefits – Accidents included (£000s)**

<b>Analysis of Monetised Costs and Benefits</b>	
Swing Bridge Delay	24,220
Noise	-19,062
Local Air Quality	217
Greenhouse Gases	3,977
Journey Quality	0
Physical Activity	0
Accidents	278
Economic Efficiency: Consumer Users (Commuting)	76,045
Economic Efficiency: Consumer Users (Other)	125,010
Economic Efficiency: Business Users and Providers	146,662
Wider Public Finances (Indirect Taxation Revenues)	-7,049
<b>Present Value of Benefits (see notes) (PVB)</b>	<b>350,298</b>
Broad Transport Budget	183,892
<b>Present Value of Costs (see notes) (PVC)</b>	<b>183,892</b>
<b>OVERALL IMPACTS</b>	
<b>Net Present Value (NPV)</b>	<b>166,406</b>
<b>Benefit to Cost Ratio (BCR)</b>	<b>1.90</b>

Notes: All monetary values are expressed in 2010 prices discounted to 2010 \* From COBALT, \*\*From QUADRO, \*\*\*TAG Unit A3 Chapter 2, \*\*\*\* TAG Unit A3 Chapter 3, \*\*\*\*\* TAG Unit A3 Chapter 4

**Table 2: Adjusted Benefit to Cost Appraisal Summary**

<b>Adjusted Benefit to Cost Appraisal</b>	
Wider Impacts Transport Appraisal	41,776
Reliability	19,705
Present Value of Benefits (see notes) (PVB)	<b>411,779</b>
Present Value of Costs (see notes) (PVC)	<b>183,892</b>
Net Present Value (NPV)	<b>227,887</b>
Benefit to Cost Ratio (BCR)	<b>2.24</b>

Notes: All monetary values are expressed in 2010 prices discounted to 2010.

