

Appendix G – TEE, PA and AMCB Tables

Economic Efficiency of the Transport System (TEE)

Non-business: Commuting	ALL MODES	ROAD	BUS and COACH		RAIL	OTHER
<i>User benefits</i>	TOTAL	Private Cars and LGVs	Passengers	Passengers		
Travel time	£48,158,000	£48,158,000	N/A	N/A	N/A	N/A
Vehicle operating costs	£2,925,000	£2,925,000				
User charges	£0	£0	N/A	N/A	N/A	N/A
During Construction & Maintenance	£0	£0	N/A	N/A	N/A	N/A
COMMUTING	£51,083,000	£51,083,000	N/A	N/A	N/A	N/A
		(1a)				
Non-business: Other	ALL MODES	ROAD	BUS and COACH		RAIL	OTHER
<i>User benefits</i>	TOTAL	Private Cars and LGVs	Passengers	Passengers		
Travel time	£143,324,000	£143,324,000	N/A	N/A	N/A	N/A
Vehicle operating costs	£11,298,000	£11,298,000				N/A
User charges	£0	£0	N/A	N/A	N/A	N/A
During Construction & Maintenance	£0	£0	N/A	N/A	N/A	N/A
NET NON-BUSINESS BENEFITS: OTHER	£154,622,000	£154,622,000				
		(1b)				
Business		Goods Vehicles	Business Cars & LGVs	Passengers	Freight	Passengers
<i>User benefits</i>						
Travel time	£207,343,000	£167,161,000	£40,182,000	N/A	N/A	N/A
Vehicle operating costs	£14,868,000	£13,467,000	£1,401,000			N/A
User charges	£0	£0	£0	N/A	N/A	N/A
During Construction & Maintenance	£0	£0	£0	N/A	N/A	N/A
Subtotal	£222,211,000	£180,628,000	£41,583,000			
		(2)				
Private sector provider impacts				Freight	Passengers	
Revenue	£0			N/A	N/A	
Operating costs	£0			N/A	N/A	
Investment costs	£0			N/A	N/A	
Grant/subsidy	£0			N/A	N/A	
Subtotal	£0					
		(3)				
Other business impacts						
Developer contributions						
		(4)				
NET BUSINESS IMPACT	£222,211,000	(5) = (2) + (3) + (4)				
TOTAL						
Present Value of Transport Economic Efficiency Benefits (TEE)	£427,916,000	(6) = (1a) + (1b) + (5)				

Notes: Benefits appear as positive numbers, while costs appear as negative numbers.
All entries are discounted present values, in 2010 prices and values

Public Accounts (PA) Table

	ALL MODES	ROAD	BUS and COACH	RAIL	OTHER
Local Government Funding	TOTAL	INFRASTRUCTURE			
Revenue					
Operating Costs	£2,991,451				
Investment Costs	£61,917,897				
Developer and Other Contributions					
Grant/Subsidy Payments					
NET IMPACT	£64,909,348 (7)				
Central Government Funding: Transport					
Revenue					
Operating costs					
Investment Costs					
Developer and Other Contributions					
Grant/Subsidy Payments					
NET IMPACT	(8)				
Central Government Funding: Non-Transport					
Indirect Tax Revenues	£10,603,000 (9)				
TOTALS					
Broad Transport Budget	£64,909,348 (10) = (7) + (8)				
Wider Public Finances	£10,603,000 (11) = (9)				
<p>Notes: Costs appear as positive numbers, while revenues and 'Developer and Other Contributions' appear as negative numbers. All entries are discounted present values in 2010 prices and values.</p>					

Analysis of Monetised Costs and Benefits

Noise		(12)
Local Air Quality		(13)
Greenhouse Gases	£3,916,000	(14)
Journey Quality		(15)
Physical Activity	£8,498,496	(16)
Accidents	£14,985,100	(17)
Economic Efficiency: Consumer Users (Commuting)	£51,083,000	(1a)
Economic Efficiency: Consumer Users (Other)	£154,622,000	(1b)
Economic Efficiency: Business Users and Providers	£222,211,000	(5)
Wider Public Finances (Indirect Taxation Revenues)	-£10,603,000	- (11) - sign changed from PA table, as PA table represents costs, not benefits
Present Value of Benefits (see notes) (PVB)	£444,712,596	(PVB) = (12) + (13) + (14) + (15) + (16) + (17) + (1a) + (1b) + (5) - (11)
Broad Transport Budget	£64,909,348	(10)
Present Value of Costs (see notes) (PVC)	£64,909,348	(PVC) = (10)
OVERALL IMPACTS		
Net Present Value (NPV)	£379,803,248	NPV=PVB-PVC
Benefit to Cost Ratio (BCR)	6.85	BCR=PVB/PVC

Note : This table includes costs and benefits which are regularly or occasionally presented in monetised form in transport appraisals, together with some where monetisation is in prospect. There may also be other significant costs and benefits, some of which cannot be presented in monetised form. Where this is the case, the analysis presented above does NOT provide a good measure of value for money and should not be used as the sole basis for decisions.