

Economic Efficiency of the Transport System (TEE)

Non-business: Commuting	ALL MODES	ROAD	BUS and COACH	RAIL	OTHER	
<u>User benefits</u>	TOTAL	Private Cars and LGVs	Passengers	Passengers		
Travel time	28	332			-304	
Vehicle operating costs	-					
User charges	-					
During Construction & Maintenance	-					
COMMUTING	28	332	-	-	304	
Non-business: Other	ALL MODES	ROAD	BUS and COACH	RAIL	OTHER	
<u>User benefits</u>	TOTAL	Private Cars and LGVs	Passengers	Passengers		
Travel time	- 1,917	1,144			-3061	
Vehicle operating costs	-					
User charges	-					
During Construction & Maintenance	-					
NET NON-BUSINESS BENEFITS: OTHER	- 1,917	1,144	-	-	3,061	
Business		Goods Vehicles	Business Cars & LGVs	Passengers	Freight	Passengers
<u>User benefits</u>						
Travel time	- 460		82			-542
Vehicle operating costs	-					
User charges	-					
During Construction & Maintenance	-					
Subtotal	- 460	-	82	-	-	542
Private sector provider impacts				Freight	Passengers	
Revenue	-					
Operating costs	-					
Investment costs	-					
Grant/subsidy	-					
Subtotal	-			-	-	-
Other business impacts						
Developer contributions	-					
NET BUSINESS IMPACT	- 460					
TOTAL						
Present Value of Transport Economic Efficiency Benefits (TEE)	- 2,349					

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 - £000s

	ALL MODES	ROAD	OTHER
<u>Local Government Funding</u>	TOTAL	INFRASTRUCTURE	
Revenue	-		
Operating Costs	- 18	- 18	
Investment Costs	-		
Developer and Other Contributions	-		
Grant/Subsidy Payments	-		
NET IMPACT	- 18 (7)	- 18	-
<u>Central Government Funding: Transport</u>			
Revenue	- 28,436		- 28,436
Operating costs	2,867		2,867
Investment Costs	12,452		12,452
Developer and Other Contributions	-		
Grant/Subsidy Payments	-		
NET IMPACT	- 13,117 (8)	-	- 13,117
<u>Central Government Funding: Non-Transport</u>			
Indirect Tax Revenues	4,953 (9)	155	4,798
<u>TOTALS</u>			
<u>Broad Transport Budget</u>	- 13,135 (10) = (7) + (8)		
<u>Wider Public Finances</u>	4,953 (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 - £000s

Noise	£ 17	(12)
Local Air Quality	£ 33	(13)
Greenhouse Gases	£ 126	(14)
Journey Quality	£ -	(15)
Physical Activity (including absenteeism for commute only)	£ -	(16)
Accidents	£ 273	(17)
Economic Efficiency: Consumer Users (Commuting)	£ 28	(1a)
Economic Efficiency: Consumer Users (Other)	-£ 1,917	(1b)
Economic Efficiency: Business Users and Providers	-£ 460	(5)
Wider Public Finances (Indirect Taxation Revenues)	-£ 4,953	- (11) - sign changed from PA table, as PA table represents costs, not benefits
Present Value of Benefits (see notes) (PVB)	-£ 6,852	(PVB) = (12) + (13) + (14) + (15) + (16) + (17) + (1a) + (1b) + (5) - (11)
Broad Transport Budget	-£ 13,135	(10)
Present Value of Costs (see notes) (PVC)	-£ 13,135	(PVC) = (10)
OVERALL IMPACTS		
Net Present Value (NPV)	£ 6,283	NPV=PVB-PVC
Benefit to Cost Ratio (BCR)	0.52	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.