

- Appraisal Summary Table -

Impacts	Summary of Key Impacts	Assessment						
		Quantitative			Qualitative	Monetary £(NPV)	Distributional 7-pt scale / vulnerable grp	
Economy	Business users & transport providers	Value of journey time changes(£)		N/A		Large beneficial	£562.73M	N/A
		Net journey time changes (£)						
		0 to 2min	2 to 5min	> 5min				
		N/A	N/A	N/A				
	Reliability impact on Business users	N/A			Moderate beneficial	£32.40M		
	Regeneration	N/A			Moderate beneficial	N/A		
	Wider Impacts	N/A			Large beneficial	£204.90M		
Environmental	Noise	N/A			Slight beneficial	£4.33M	N/A	
	Air Quality	N/A			Slight beneficial	£9.61M	N/A	
	Greenhouse gasses	Change in non-traded carbon over 60y (CO ₂ e)		2,328,625 t		Large adverse	-£103.94M	
		Change in traded carbon over 60y (CO ₂ e)		0 t				
	Landscape	N/A			Moderate adverse	N/A		
	Townscape	N/A			Neutral	N/A		
	Historic Environment	N/A			Neutral	N/A		
	Biodiversity	N/A			Neutral to Moderate Adverse	N/A		
Water Environment	N/A			Slight Adverse	N/A			
Social	Commuting and Other users	Value of journey time changes(£)		N/A		Large beneficial	£488.94M	N/A
		Net journey time changes (£)						
		0 to 2min	2 to 5min	> 5min				
	Reliability impact on Commuting and Other users	N/A			Moderate beneficial	£26.81M		
	Physical activity	N/A			Neutral	N/A		

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	Journey quality	The construction of a high quality dual carriageway standard highway will improve journey quality for transport users. Shorter journey times (and therefore saved travel hours) and improved journey time reliability will also contribute to this improvement.	N/A	Moderate beneficial	N/A	
	Accidents	There will be a reduction in the number and severity of accidents, as forecast by COBALT, occurring as a result of the construction of a high quality dual carriageway standard highway, with associated grade-separated junctions. This is a result of a transfer of traffic from the existing A5 onto the A5WTC. The benefits of reducing the number of accidents have been quantified and monetised using COBALT.	2,748 casualty savings (19 fatal, 315 serious, 2,414 slight)	Large beneficial	£105.68M	N/A
	Security	Transport users will be less vulnerable to crime associated with road users as a result of higher average speeds due to less congested conditions, less incidences of 'stopping' at junctions and clearly marked perimeters surrounding the A5WTC.	N/A	Slight beneficial	N/A	N/A
	Access to services	There will be improved access to services as a result of the Proposed Scheme. Accessibility between key economic centres, including Londonderry (and its international Port and airport), Strabane and Omagh, as well as to international gateways with the Republic of Ireland (and Dublin), will be strengthened, helping to unlock economic potential and attracting inward investment. Local communities will also benefit with greater access to services on the existing A5, whilst strategic users of the A5WTC will experience improved access through reduced incidences of congestion and enhanced journey time reliability.	N/A	Moderate beneficial	N/A	N/A
	Affordability	It is predicted that vehicle operating costs will slightly increase as a result of the increased number of vehicle kilometres travelled on the A5WTC. However, consumers will also benefit from decreased journey times and reduced congestion contributing to large savings in user time.	N/A	Slight adverse	N/A	N/A
	Severance	There will be reductions in severance, particularly for vulnerable groups, as a result of the Proposed Scheme. It is predicted that there will be a 34% net reduction in flows within a 1km boundary of each of the 37 schools located on the existing A5 corridor. 90% of pedestrian crossings on the existing A5 will experience a reduction in traffic flows and vulnerable users (including children aged 16 and under, elderly aged 70 and over and disabled residents) in Output Areas impacted by the existing A5 will experience reduced traffic flows. Communities within these settlements will greatly benefit from the redistribution of existing A5 traffic onto the A5WTC.	N/A	Moderate beneficial	N/A	N/A
	Option and non-use values	The improved reliability of journey times for public transport services using both the existing A5 and A5WTC will enhance the values placed upon these services as a consequence of the Proposed Scheme.	N/A	Slight beneficial	N/A	
Public Accounts	Cost to Broad Transport Budget	These consist of the scheme investment costs and operating costs (i.e. annual maintenance costs and capital renewal costs).	N/A	N/A	£719.09M	
	Indirect Tax Revenues	Decreased indirect tax revenues as a result of reduced fuel spends.	N/A	N/A	£63.91M	