



Chapter 22

Summary of Significant Residual Impacts

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22 Summary of Significant Residual Impacts

This Chapter summarises the potential Significant residual impacts, which may result from the Construction and Operational Phases of the BusConnects Galway: Cross-City Link (University Road to Dublin Road (hereafter referred to as the Proposed Scheme)). Please refer to Chapter 6 to Chapter 20 of this Environmental Impact Assessment Report (EIAR) for the full impact assessments.

Residual impacts are the final or intended impacts which occur after the proposed mitigation measures have been implemented. They refer to the degree of change that will occur after the proposed mitigation measures have taken effect.

Table 22.1 presents the residual impact significance, following the implementation of mitigation as set out in Chapter 6 to Chapter 21 of the EIAR, and as summarised in Chapter 21 (Summary of Mitigation & Monitoring Measures).

The terminology used in this Chapter to describe the residual impact significance reflects the assessment terminology and guidelines used within Chapter 6 to Chapter 21 of the EIAR. While the terminology in the Environmental Protection Agency's (EPA) Guidelines on the Information to be Contained in Environmental Impact Assessment Reports (EPA 2022) is predominantly used, some chapters use discipline specific guidelines, and this terminology is presented within this summary Chapter to maintain consistency with the assessments undertaken in Chapter 6 to Chapter 21.

Table 22.1: Summary of Significant Residual Impacts from the Construction and Operational Phases of the Proposed Scheme

Environmental Aspect / Chapter	Residual Impact Description	Impact Significance (Pre-Mitigation)	Residual Impact Significance (Post-Mitigation)
Chapter 6 (Traffic & Transport)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		
Chapter 7 (Air Quality)	Construction Phase		
	No significant adverse residual effects on air quality are envisaged during the construction phase of the Proposed Scheme.		
	Operational Phase		
	There are no significant adverse effects expected as a result of the operational phase of the Proposed Scheme.		
Chapter 8 (Climate)	Construction Phase		
	Embodied carbon	Neutral, long-term	Neutral, long-term
	Operational Phase		
	Operational Traffic	Neutral, long-term	Neutral, long-term
Chapter 9 (Noise & Vibration)	Construction Phase		
	General Road Works & Urban Realm Landscaping: <ul style="list-style-type: none"> Monday to Friday: Daytime (07:00 – 19:00hrs) 	<ul style="list-style-type: none"> Negative, Significant to Very Significant and Temporary at NSLs within 15 m of the works. Negative, Slight – Moderate and Temporary at NSLs between 30 and 150 m of the works 	Negative, Moderate to Significant and Temporary at NSLs within 15 m of the works.
	General Road Works and Urban Realm Landscaping: <ul style="list-style-type: none"> Saturdays (08:00 – 16:30hrs) 	<ul style="list-style-type: none"> Negative, Significant to Very Significant and Temporary at NSLs within 30 m of the works. 	Negative, Moderate to Significant and Temporary at NSLs within 15 m of the works.

Environmental Aspect / Chapter	Residual Impact Description	Impact Significance (Pre-Mitigation)	Residual Impact Significance (Post-Mitigation)
		<ul style="list-style-type: none"> Negative, Moderate to Significant and Temporary at NSLs between 30 and 50 m of the works. 	
	Road Widening / and Utility Diversion Works; <ul style="list-style-type: none"> Monday to Friday: Daytime (07:00 – 19:00hrs) 	<ul style="list-style-type: none"> Negative, Significant to Very Significant and Temporary at NSLs within 30 m of the works. Negative, Moderate to Significant and Temporary at NSLs between 30 and 50 m of the works. 	Negative, Significant to Very Significant and Temporary at NSLs within 10 m of the works. Negative, Moderate to Significant and Temporary at NSLs between 10 and 15 m of the works.
	Road Widening / and Utility Diversion Works; <ul style="list-style-type: none"> Saturdays (08:00 – 16:30hrs) 	<ul style="list-style-type: none"> Negative, Significant to Very Significant and Temporary at NSLs within 50 m of the works. Negative, Moderate to Significant and Temporary at NSLs between 50 and 100 m of the works. 	Negative, Significant to Very Significant and Temporary at NSLs within 15 m of the works. Negative, Moderate to Significant and Temporary at NSLs between 15 and 30 m of the works.
	Construction Compounds; <ul style="list-style-type: none"> Monday to Friday: Evening: (19:00 – 23:00hrs) or Saturdays (08:00 – 16:30hrs) 	<ul style="list-style-type: none"> Negative, Slight – Moderate and Temporary at NSLs within 30 m of the works. 	
	Construction Compounds; <ul style="list-style-type: none"> Saturdays (08:00 – 16:30hrs) 	<ul style="list-style-type: none"> Negative, Moderate to Significant and Temporary at NSLs within 10 m of the works. 	
	Operational Phase		
	Opening year (2023) traffic noise – Surrounding road network	<ul style="list-style-type: none"> Indirect, Positive, Imperceptible to Slight, Short to Medium-term to indirect, Negative, Significant, Short to Medium-term 	Indirect, Positive, Imperceptible to Slight, Short to Medium-term to Indirect, Negative, Significant, Short to Medium-term
Chapter 10 (Population)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		

Environmental Aspect / Chapter	Residual Impact Description	Impact Significance (Pre-Mitigation)	Residual Impact Significance (Post-Mitigation)
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		
Chapter 11 (Human Health)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		
Chapter 12 (Biodiversity)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		
Chapter 13 (Water)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		
Chapter 14 (Land, Soils, Geology & Hydrogeology)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		
Chapter 15 (Archaeological Cultural Heritage & Architectural Heritage)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		
	Construction Phase		

Environmental Aspect / Chapter	Residual Impact Description	Impact Significance (Pre-Mitigation)	Residual Impact Significance (Post-Mitigation)
Chapter 16 (Landscape (Townscape) & Visual)	Loss of 61 early mature and mature trees	Negative, Significant, Short term	Negative, Significant, Short term
	Planting of 186 new street trees	Positive, Long term	Positive, Long term
	Operational Phase		
	Urban townscape setting in Galway City	Positive, Significant, Permanent	Positive, Significant, Permanent
	Connectivity and accessibility for pedestrians	Positive, Significant, Permanent	Positive, Significant, Permanent
	Connectivity and accessibility for cyclist	Positive, Significant, Permanent	Positive, Significant, Permanent
Chapter 17 (Waste & Resources)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		
Chapter 18 (Material Assets)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		
Chapter 19 (Risk of Major Accidents and / or Disasters)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		
Chapter 20 (Cumulative Impacts & Environmental Interactions)	Construction Phase		
	No Significant residual impacts predicted as a result of the Construction Phase of the Proposed Scheme		
	Operational Phase		
	No Significant residual impacts predicted as a result of the Operational Phase of the Proposed Scheme		

22.1 References

Environmental Protection Agency (EPA) (2022). Guidelines of the Information to be contained in Environmental Impact Assessment Reports.