

**Liffey Valley to City Centre
Core Bus Corridor Scheme**
June 2022

**Environmental
Impact
Assessment
Report**

**Volume 3
Figures**

**BUS
CONNECTS**

SUSTAINABLE TRANSPORT FOR A BETTER CITY.

Preface

The structure of this Environmental Impact Assessment Report (EIAR) for the Liffey Valley to City Centre Core Bus Corridor Scheme (hereafter referred to as the Proposed Scheme) is summarised as follows:

Volume 1: Non-Technical Summary

Volume 1 provides a non-technical summary of the information contained in Volume 2 of the EIAR.

Volume 2: Main Environmental Impact Assessment Report

Volume 2 provides a general introduction, outlines the environmental impact assessment process, describes the scope of the Proposed Scheme, presents the consideration of reasonable alternatives and describes the environmental impacts specific to the Proposed Scheme.

Volume 3: Figures

Volume 3 provides drawings and large format images (labelled as 'Figures') that illustrate the information detailed in Volume 2 of the EIAR.

Volume 4: Appendices

Volume 4 provides documentation and data that is supplemental to the information provided in Volume 2 of the EIAR.

Table of Contents - Volume 3

Figure Number	Title
Chapter 4: Proposed Scheme Description	
BCIDB-JAC-SPW_ZZ-0007_XX_00-DR-CR-9001	Site Location Plan
BCIDB-JAC-GEO_GA-0007_XX_00-DR-CR-9001	General Arrangement
BCIDB-JAC-GEO_HV-0007_ML_00-DR-CR-9001	Mainline Plan and Profile
BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-9001	Typical Cross Sections
BCIDB-JAC-ENV_LA-0007_XX_00-DR-LL-9001	Landscaping General Arrangement
BCIDB-JAC-PAV_PV-0007_XX_00-DR-CR-9001	Pavement Treatment Plans
BCIDB-JAC-SPW_BW-0007_XX_00-DR-CR-9001	Fencing and Boundary Treatment
BCIDB-JAC-TSM_GA-0007_XX_00-DR-CR-9001	Traffic Signs and Road Markings
BCIDB-JAC-LHT_RL-0007_XX_00-DR-EO-9001	Street Lighting
BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-9001	Junction System Design
BCIDB-JAC-DNG_RD-0007_XX_00-DR-CD-9001	Proposed Surface Water Drainage Works
BCIDB-JAC-UTL_UD-0007_XX_00-DR-CU-9001	IW Foul Sewer Asset Alterations
BCIDB-JAC-UTL_UE-0007_XX_00-DR-CU-9001	ESB Asset Alterations
BCIDB-JAC-UTL_UG-0007_XX_00-DR-CU-9001	GNI Asset Alterations
BCIDB-JAC-UTL_UW-0007_XX_00-DR-CU-9001	IW Water Asset Alterations
BCIDB-JAC-UTL_UX-0007_XX_00-DR-CU-9001	Telecommunications Asset Alterations
BCIDB-JAC-UTL_UC-0007_XX_00-DR-CU-9001	Combined Existing Utility Records
BCIDE-JAC-LHT_RL-0007_XX_00-DR-EO-9001	Structures General Arrangement
Chapter 5: Construction	
5.1	Scheme Work Location Drawing
Chapter 6: Traffic & Transport	
6.1	Proposed Scheme Extents
6.2	Corridor Sections
6.3	Baseline Pedestrian Facilities
6.4	Baseline Cycle Facilities
6.5	Baseline Bus Facilities
6.6	Aerial Views of Key Junctions
6.7	Flow Difference on Road Links 2028 Opening Year DoMinimum vs DoSomething AM Peak Hour
6.8	Flow Difference on Road Links 2028 Opening Year DoMinimum vs DoSomething PM Peak Hour
6.9	Volume/Capacity Ratios 2028 Opening Year DoMinimum vs DoSomething AM Peak Hour
6.10	Volume/Capacity Ratios 2028 Opening Year DoMinimum vs DoSomething PM Peak Hour
6.11	Volume/Capacity Ratios 2043 Opening Year + 15 Years DoMinimum vs DoSomething AM Peak Hour
6.12	Volume/Capacity Ratios 2043 Opening Year + 15 Years DoMinimum vs DoSomething PM Peak Hour
Chapter 7: Air Quality	
7.1	Monitoring Locations
7.2	Air Quality Zones
7.3	Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Liffey Valley to City Centre Core Bus Corridor Scheme (2028)
7.4	Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Liffey Valley to City Centre Core Bus Corridor Scheme (2028)
7.5	Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Liffey Valley to City Centre Core Bus Corridor Scheme (2028)
7.6	Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Liffey Valley to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

Figure Number	Title
7.7	Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Liffey Valley to City Centre Core Bus Corridor Scheme - Construction Phase (2024)
7.8	Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Liffey Valley to City Centre Core Bus Corridor Scheme - Construction Phase (2024)
Chapter 9: Noise & Vibration	
9.1.1	Road Noise Contours Lden
9.1.2	Road Noise Contours Lnigt
9.2	Proposed Monitoring Locations
9.3	Construction Traffic Noise Impacts
9.4	Opening Year 2028 Traffic Noise Impact Summary
9.5	Design Year 2043 Traffic Noise Impact Summary
Chapter 10: Population	
10.1	Community Study Area
Chapter 11: Human Health	
11.1	Human Health Study Area
Chapter 12: Biodiversity	
12.1.1	Ecological Study Areas: Bat Activity Transect Routes
12.1.2	Ecological Study Areas: Wintering Bird Survey Sites
12.2	Hydrological Connectivity to the Proposed Scheme
12.3	European Sites in the Vicinity of the Proposed Scheme
12.4	Natural Heritage Areas and Proposed Natural Heritage Areas in the Vicinity of the Proposed Scheme
12.5	Habitat Survey Results - Fossitt 2000 Habitat Classification
12.6	Non-Native Invasive Plant Species Survey Results
12.7.1	Bat Survey Results: Bat Activity Survey Results
12.7.2	Bat Survey Results: Bat Roost Feature Survey Results
12.8	Wintering Bird Survey Results
Chapter 13: Water	
13.1	Surfacewater Study Area
13.2	WFD Protected Areas and At Risk Status of Waterbodies
Chapter 14: Land, Soils, Geology & Hydrogeology	
14.1	Regional Geomorphology
14.2	Regional Soils
14.3	Regional Subsoils
14.4	Regional Bedrock
14.5	Regional Aquifers
14.6	Regional Groundwater Recharge
14.7	Topography and Geomorphology
14.8	Soil Deposits
14.9	Subsoil Deposits
14.10	Bedrock Geology
14.11	Granular Aggregate Potential
14.12	Crushed Rock Aggregate Potential
14.13	Aquifers
14.14	Groundwater Vulnerability
14.15	Groundwater Recharge
Chapter 15: Archaeology & Cultural Heritage	
15.1	Archaeological and Cultural Heritage
Chapter 16: Architectural Heritage	
16.1	Architectural Heritage

Figure Number	Title
Chapter 17: Landscape (Townscape) & Visual	
17.1	Landscape (Townscape) & Visual Impact Assessment
17.2	Photomontages
Chapter 18: Waste & Resources	
18.1	Greater Dublin Region Waste Facility Permit Holders (Construction & Demolition Waste)
18.2	Eastern Midlands Waste Region Waste Facility Permit Holders (Construction & Demolition Waste)
18.3	Eastern Midlands Region EPA Licensed Facilities
Chapter 21: Cumulative Impacts & Environmental Interactions	
21.1	Cumulative Effects: Shortlisted Strategic Development and Major Projects
21.2	Cumulative Effects: Shortlisted Planning Applications and other Projects within 500m