

March 2023

Option Selection Report

Volume 3 Figures



List of Volumes

Volume 1 – Executive Summary

Volume 2 – Option Selection Report Main Text

Volume 3 – Figures

Volume 4 – Appendices

Volume 1 – Executive Summary

Volume 2 – Option Selection Report Main Text

Volume 3 - Figures

Volume 3A – Figures Part 1

Figure 4.1.1.1	Study Area Boundary
Figure 4.2.1.0	Engineering Constraints Sheet 1 of 6
Figure 4.2.1.1	Engineering Constraints Sheet 2 of 6
Figure 4.2.1.2	Engineering Constraints Sheet 2 of 6
Figure 4.2.1.3	Engineering Constraints Sheet 4 of 6
Figure 4.2.1.4	Engineering Constraints Sheet 5 of 6
Figure 4.2.1.5	Engineering Constraints Sheet 6 of 6
Figure 4.3.1.0	Land Use and Planning Constraints Sheet 1 of 6
Figure 4.3.1.1	Land Use and Planning Constraints Sheet 2 of 6
Figure 4.3.1.2	Land Use and Planning Constraints Sheet 3 of 6
Figure 4.3.1.3	Land Use and Planning Constraints Sheet 4 of 6
Figure 4.3.1.4	Land Use and Planning Constraints Sheet 5 of 6
Figure 4.3.1.5	Land Use and Planning Constraints Sheet 6 of 6
Figure 4.3.2.0	Land Use and Planning Historic Planning Sheet 1 of 6
Figure 4.3.2.1	Land Use and Planning Historic Planning Sheet 2 of 6
Figure 4.3.2.2	Land Use and Planning Historic Planning Sheet 3 of 6
Figure 4.3.2.3	Land Use and Planning Historic Planning Sheet 4 of 6
Figure 4.3.2.4	Land Use and Planning Historic Planning Sheet 5 of 6
Figure 4.3.2.5	Land Use and Planning Historic Planning Sheet 6 of 6
Figure 4.4.1.0	Population and Human Health Constraints Sheet 1 of 6
Figure 4.4.1.1	Population and Human Health Constraints Sheet 2 of 6
Figure 4.4.1.2	Population and Human Health Constraints Sheet 3 of 6
Figure 4.4.1.3	Population and Human Health Constraints Sheet 4 of 6
Figure 4.4.1.4	Population and Human Health Constraints Sheet 5 of 6
Figure 4.4.1.5	Population and Human Health Constraints Sheet 6 of 6
Figure 4.5.1.0	Material Assets – Non-Agriculture Constraints Water Supply & Wastewater Infrastructure Sheet 1 of 6
Figure 4.5.1.1	Material Assets – Non-Agriculture Constraints Water Supply & Wastewater Infrastructure Sheet 2 of 6
Figure 4.5.1.2	Material Assets – Non-Agriculture Constraints Water Supply & Wastewater Infrastructure Sheet 3 of 6
Figure 4.5.1.3	Material Assets – Non-Agriculture Constraints Water Supply & Wastewater Infrastructure Sheet 4 of 6
Figure 4.5.1.4	Material Assets – Non-Agriculture Constraints Water Supply & Wastewater Infrastructure Sheet 5 of 6

Figure 4.5.1.5	Material Assets – Non-Agriculture Constraints Water Supply & Wastewater Infrastructure Sheet 6 of 6
Figure 4.5.2.0	Material Assets – Non-Agriculture Constraints Electricity Infrastructure Sheet 1 of 6
Figure 4.5.2.1	Material Assets – Non-Agriculture Constraints Electricity Infrastructure Sheet 2 of 6
Figure 4.5.2.2	Material Assets – Non-Agriculture Constraints Electricity Infrastructure Sheet 3 of 6
Figure 4.5.2.3	Material Assets – Non-Agriculture Constraints Electricity Infrastructure Sheet 4 of 6
Figure 4.5.2.4	Material Assets – Non-Agriculture Constraints Electricity Infrastructure Sheet 5 of 6
Figure 4.5.2.5	Material Assets – Non-Agriculture Constraints Electricity Infrastructure Sheet 6 of 6
Figure 4.5.3.0	Material Assets – Non-Agriculture Constraints Telecoms Infrastructure Sheet 1 of 6
Figure 4.5.3.1	Material Assets – Non-Agriculture Constraints Telecoms Infrastructure Sheet 2 of 6
Figure 4.5.3.2	Material Assets – Non-Agriculture Constraints Telecoms Infrastructure Sheet 3 of 6
Figure 4.5.3.3	Material Assets – Non-Agriculture Constraints Telecoms Infrastructure Sheet 4 of 6
Figure 4.5.3.4	Material Assets – Non-Agriculture Constraints Telecoms Infrastructure Sheet 5 of 6
Figure 4.5.3.5	Material Assets – Non-Agriculture Constraints Telecoms Infrastructure Sheet 6 of 6
Figure 4.6.1.0	Material Assets – Agriculture Constraints Corine Land Use Sheet 1 of 6
Figure 4.6.1.1	Material Assets – Agriculture Constraints Corine Land Use Sheet 2 of 6
Figure 4.6.1.2	Material Assets – Agriculture Constraints Corine Land Use Sheet 3 of 6
Figure 4.6.1.3	Material Assets – Agriculture Constraints Corine Land Use Sheet 4 of 6
Figure 4.6.1.4	Material Assets – Agriculture Constraints Corine Land Use Sheet 5 of 6
Figure 4.6.1.5	Material Assets – Agriculture Constraints Corine Land Use Sheet 6 of 6
Figure 4.6.2.0	Material Assets – Agriculture Constraints Agricultural Soils Sheet 1 of 6
Figure 4.6.2.1	Material Assets – Agriculture Constraints Agricultural Soils Sheet 2 of 6
Figure 4.6.2.2	Material Assets – Agriculture Constraints Agricultural Soils Sheet 3 of 6
Figure 4.6.2.3	Material Assets – Agriculture Constraints Agricultural Soils Sheet 4 of 6
Figure 4.6.2.4	Material Assets – Agriculture Constraints Agricultural Soils Sheet 5 of 6
Figure 4.6.2.5	Material Assets – Agriculture Constraints Agricultural Soils Sheet 6 of 6
Figure 4.6.3.0	Material Assets – Agriculture Constraints Land Sensitivity Sheet 1 of 6
Figure 4.6.3.1	Material Assets – Agriculture Constraints Land Sensitivity Sheet 2 of 6
Figure 4.6.3.2	Material Assets – Agriculture Constraints Land Sensitivity Sheet 3 of 6
Figure 4.6.3.3	Material Assets – Agriculture Constraints Land Sensitivity Sheet 4 of 6
Figure 4.6.3.4	Material Assets – Agriculture Constraints Land Sensitivity Sheet 5 of 6
Figure 4.6.3.5	Material Assets – Agriculture Constraints Land Sensitivity Sheet 6 of 6
Figure 4.9.1.0	Noise and Vibration Constraints Road Noise Lden Sheet 1 of 6
Figure 4.9.1.1	Noise and Vibration Constraints Road Noise Lden Sheet 2 of 6
Figure 4.9.1.2	Noise and Vibration Constraints Road Noise Lden Sheet 3 of 6
Figure 4.9.1.3	Noise and Vibration Constraints Road Noise Lden Sheet 4 of 6
Figure 4.9.1.4	Noise and Vibration Constraints Road Noise Lden Sheet 5 of 6
Figure 4.9.1.5	Noise and Vibration Constraints Road Noise Lden Sheet 6 of 6
Figure 4.9.2.0	Noise and Vibration Constraints Sheet 1 of 6
Figure 4.9.2.1	Noise and Vibration Constraints Sheet 2 of 6
Figure 4.9.2.2	Noise and Vibration Constraints Sheet 3 of 6
Figure 4.9.2.3	Noise and Vibration Constraints Sheet 4 of 6
Figure 4.9.2.4	Noise and Vibration Constraints Sheet 5 of 6
Figure 4.9.2.5	Noise and Vibration Constraints Sheet 6 of 6
Figure 4.10.1.0	Archaeology, Architectural and Cultural Heritage Constraints Sheet 1 of 6
Figure 4.10.1.1	Archaeology, Architectural and Cultural Heritage Constraints Sheet 2 of 6
Figure 4.10.1.2	Archaeology, Architectural and Cultural Heritage Constraints Sheet 3 of 6
Figure 4.10.1.3	Archaeology, Architectural and Cultural Heritage Constraints Sheet 4 of 6
Figure 4.10.1.4	Archaeology, Architectural and Cultural Heritage Constraints Sheet 5 of 6
Figure 4.10.1.5	Archaeology, Architectural and Cultural Heritage Constraints Sheet 6 of 6
Figure 4.11.1.0	Landscape and Visual Constraints Sheet 1 of 6

Figure 4.11.1.1 Landscape and Visual Constraints Sheet 2 of 6

Figure 4.11.1.2 Landscape and Visual Constraints Sheet 3 of 6

Figure 4.11.1.3 Landscape and Visual Constraints Sheet 4 of 6

Figure 4.11.1.4 Landscape and Visual Constraints Sheet 5 of 6

Figure 4.11.1.5 Landscape and Visual Constraints Sheet 6 of 6

Figure 4.12.1.0 Biodiversity Constraints Ecological Sites and Sites of Ecological Interest Sheet 1 of 6

Figure 4.12.1.1 Biodiversity Constraints Ecological Sites and Sites of Ecological Interest Sheet 2 of 6

Figure 4.12.1.2 Biodiversity Constraints Ecological Sites and Sites of Ecological Interest Sheet 3 of 6

Figure 4.12.1.3 Biodiversity Constraints Ecological Sites and Sites of Ecological Interest Sheet 4 of 6

Figure 4.12.1.4 Biodiversity Constraints Ecological Sites and Sites of Ecological Interest Sheet 5 of 6

Figure 4.12.1.5 Biodiversity Constraints Ecological Sites and Sites of Ecological Interest Sheet 6 of 6

Figure 4.12.2.0 Biodiversity Constraints Designated Sites & Annex 1 Habitat Sheet 1 of 6

Figure 4.12.2.1 Biodiversity Constraints Designated Sites & Annex 1 Habitat Sheet 2 of 6

Figure 4.12.2.2 Biodiversity Constraints Designated Sites & Annex 1 Habitat Sheet 3 of 6

Figure 4.12.2.3 Biodiversity Constraints Designated Sites & Annex 1 Habitat Sheet 4 of 6

Figure 4.12.2.4 Biodiversity Constraints Designated Sites & Annex 1 Habitat Sheet 5 of 6

Figure 4.12.2.5 Biodiversity Constraints Designated Sites & Annex 1 Habitat Sheet 6 of 6

Figure 4.13.1.0 Hydrology Constraints Fluvial Flood Extents Mapping of Shannon within the Study Area Sheet 1 of 6

Figure 4.13.1.1 Hydrology Constraints Fluvial Flood Extents Mapping of Shannon within the Study Area Sheet 2 of 6

Figure 4.13.1.2 Hydrology Constraints Fluvial Flood Extents Mapping of Shannon within the Study Area Sheet 3 of 6

Figure 4.13.1.3 Hydrology Constraints Fluvial Flood Extents Mapping of Shannon within the Study Area Sheet 4 of 6

Figure 4.13.1.4 Hydrology Constraints Fluvial Flood Extents Mapping of Shannon within the Study Area Sheet 5 of 6

Figure 4.13.1.5 Hydrology Constraints Fluvial Flood Extents Mapping of Shannon within the Study Area Sheet 6 of 6

Figure 4.13.2.0 Hydrology Constraints Sheet 1 of 6

Figure 4.13.2.1 Hydrology Constraints Sheet 2 of 6

Figure 4.13.2.2 Hydrology Constraints Sheet 3 of 6

Figure 4.13.2.3 Hydrology Constraints Sheet 4 of 6

Figure 4.13.2.4 Hydrology Constraints Sheet 5 of 6

Figure 4.13.2.5 Hydrology Constraints Sheet 6 of 6

Figure 4.13.3.0 Hydrology Constraints WFD Water Quality Status Sheet 1 of 6

Figure 4.13.3.1 Hydrology Constraints WFD Water Quality Status Sheet 2 of 6

Figure 4.13.3.2 Hydrology Constraints WFD Water Quality Status Sheet 3 of 6

Figure 4.13.3.3 Hydrology Constraints WFD Water Quality Status Sheet 4 of 6

Figure 4.13.3.4 Hydrology Constraints WFD Water Quality Status Sheet 5 of 6

Figure 4.13.3.5 Hydrology Constraints WFD Water Quality Status Sheet 6 of 6

Figure 4.13.4.0 Hydrology Constraints, Soft Sediments peats, alluvial and lacustrine deposits Sheet 1 of 6

Figure 4.13.4.1 Hydrology Constraints, Soft Sediments peats, alluvial and lacustrine deposits Sheet 2 of 6

Figure 4.13.4.2 Hydrology Constraints, Soft Sediments peats, alluvial and lacustrine deposits Sheet 3 of 6

Figure 4.13.4.3 Hydrology Constraints, Soft Sediments peats, alluvial and lacustrine deposits Sheet 4 of 6

Figure 4.13.4.4 Hydrology Constraints, Soft Sediments peats, alluvial and lacustrine deposits Sheet 5 of 6

Figure 4.13.4.5 Hydrology Constraints, Soft Sediments peats, alluvial and lacustrine deposits Sheet 6 of 6

Figure 4.14.1.0 Hydrogeology Constraints Aquifer Vulnerability Mapping Sheet 1 of 6

Figure 4.14.1.1 Hydrogeology Constraints Aquifer Vulnerability Mapping Sheet 2 of 6

Figure 4.14.1.2 Hydrogeology Constraints Aquifer Vulnerability Mapping Sheet 3 of 6

Figure 4.14.1.3 Hydrogeology Constraints Aquifer Vulnerability Mapping Sheet 4 of 6

Figure 4.14.1.4 Hydrogeology Constraints Aquifer Vulnerability Mapping Sheet 5 of 6

Figure 4.14.1.5 Hydrogeology Constraints Aquifer Vulnerability Mapping Sheet 6 of 6

Figure 4.14.2.0 Hydrogeology Constraints Aquifer Mapping Sheet 1 of 6

Figure 4.14.2.1 Hydrogeology Constraints Aquifer Mapping Sheet 2 of 6

Figure 4.14.2.2 Hydrogeology Constraints Aquifer Mapping Sheet 3 of 6

Figure 4.14.2.3 Hydrogeology Constraints Aquifer Mapping Sheet 4 of 6

Figure 4.14.2.4 Hydrogeology Constraints Aquifer Mapping Sheet 5 of 6

Figure 4.14.2.5 Hydrogeology Constraints Aquifer Mapping Sheet 6 of 6

Figure 4.14.3.0 Hydrogeology Constraints Sheet 1 of 6

Figure 4.14.3.1 Hydrogeology Constraints Sheet 2 of 6

Figure 4.14.3.2 Hydrogeology Constraints Sheet 3 of 6

Figure 4.14.3.3 Hydrogeology Constraints Sheet 4 of 6

Figure 4.14.3.4 Hydrogeology Constraints Sheet 5 of 6

Figure 4.14.3.5 Hydrogeology Constraints Sheet 6 of 6

Figure 4.15.1.0 Soils and Geology Constraints Soil Deposits Map Sheet 1 of 6

Figure 4.15.1.1 Soils and Geology Constraints Soil Deposits Map Sheet 2 of 6

Figure 4.15.1.2 Soils and Geology Constraints Soil Deposits Map Sheet 3 of 6

Figure 4.15.1.3 Soils and Geology Constraints Soil Deposits Map Sheet 4 of 6

Figure 4.15.1.4 Soils and Geology Constraints Soil Deposits Map Sheet 5 of 6

Figure 4.15.1.5 Soils and Geology Constraints Soil Deposits Map Sheet 6 of 6

Figure 4.15.2.0 Soils and Geology Constraints Subsoil Deposits Map Sheet 1 of 6

Figure 4.15.2.1 Soils and Geology Constraints Subsoil Deposits Map Sheet 2 of 6

Figure 4.15.2.2 Soils and Geology Constraints Subsoil Deposits Map Sheet 3 of 6

Figure 4.15.2.3 Soils and Geology Constraints Subsoil Deposits Map Sheet 4 of 6

Figure 4.15.2.4 Soils and Geology Constraints Subsoil Deposits Map Sheet 5 of 6

Figure 4.15.2.5 Soils and Geology Constraints Subsoil Deposits Map Sheet 6 of 6

Figure 4.15.3.0 Soils and Geology Constraints Bedrock Geology Map Sheet 1 of 6

Figure 4.15.3.1 Soils and Geology Constraints Bedrock Geology Map Sheet 2 of 6

Figure 4.15.3.2 Soils and Geology Constraints Bedrock Geology Map Sheet 3 of 6

Figure 4.15.3.3 Soils and Geology Constraints Bedrock Geology Map Sheet 4 of 6

Figure 4.15.3.4 Soils and Geology Constraints Bedrock Geology Map Sheet 5 of 6

Figure 4.15.3.5 Soils and Geology Constraints Bedrock Geology Map Sheet 6 of 6

Figure 4.15.4.0 Soils and Geology Constraints Geology Pressures Sheet 1 of 6

Figure 4.15.4.1 Soils and Geology Constraints Geology Pressures Sheet 2 of 6

Figure 4.15.4.2 Soils and Geology Constraints Geology Pressures Sheet 3 of 6

Figure 4.15.4.3 Soils and Geology Constraints Geology Pressures Sheet 4 of 6

Figure 4.15.4.4 Soils and Geology Constraints Geology Pressures Sheet 5 of 6

Figure 4.15.4.5 Soils and Geology Constraints Geology Pressures Sheet 6 of 6

Figure 6.1.1.0 Stage 1 Alternatives – Public Transport Proposals Sheet 1 of 1

Figure 6.1.2.0 Stage 1 Alternatives – Potential Active Travel Sheet 1 of 1

Figure 6.1.3.0 Stage 1 Alternatives – Demand Reduction Proposals Sheet 1 of 1

Figure 7.1.1.1 Stage 1 Option Corridors Study Area Boundary Sheet 1 of 1

Figure 7.3.1.0 Stage 1 Option Corridors Engineering Constraints Sheet 1 of 6

Figure 7.3.1.1 Stage 1 Option Corridors Engineering Constraints Sheet 2 of 6

Figure 7.3.1.2 Stage 1 Option Corridors Engineering Constraints Sheet 3 of 6

Figure 7.3.1.3 Stage 1 Option Corridors Engineering Constraints Sheet 4 of 6

Figure 7.3.1.4 Stage 1 Option Corridors Engineering Constraints Sheet 5 of 6

Figure 7.3.1.5 Stage 1 Option Corridors Engineering Constraints Sheet 6 of 6

Figure 7.3.2.0 Stage 1 Options – Cyan Design Plan and Profile Key Plan

Figure 7.3.2.1 Stage 1 Options – Cyan Design Plan and Profile Sheet 1 of 10

Figure 7.3.2.2 Stage 1 Options – Cyan Design Plan and Profile Sheet 2 of 10

Figure 7.3.2.3 Stage 1 Options – Cyan Design Plan and Profile Sheet 3 of 10

Figure 7.3.2.4 Stage 1 Options – Cyan Design Plan and Profile Sheet 4 of 10

Figure 7.3.2.5 Stage 1 Options – Cyan Design Plan and Profile Sheet 5 of 10

Figure 7.3.2.6 Stage 1 Options – Cyan Design Plan and Profile Sheet 6 of 10

