

Table of Contents

Volume 3: Figures

1 Introduction

Figure 1.1 A9 Dualling Projects Perth to Inverness Location Plan

Figure 1.2 Proposed Scheme Location Plan

Figure 1.3 Key Environmental Constraints

3 Alternatives Considered

Figure 3.1 (a-l) Stage 2 Options

5 The Proposed Scheme

Figure 5.1 (a-c) Scheme Layout Overview

Figure 5.2 (a-c) Existing Road Network

Figure 5.3 (a-h) Proposed Scheme

Figure 5.4 Tomatin Grade Separated Junction Underpass Indicative Arrangement

Figure 5.5 A9 1250 Allt na Frithe Culvert Indicative Arrangement

Figure 5.6 A9 1250 C25 Allt Dubhaig Culvert Indicative Arrangement

Figure 5.7 (a-c) Dalmagarry Structures Indicative Arrangement

Figure 5.8 (a-b) Moy Rail Bridge Indicative Arrangement

Figure 5.9 (a-b) A9 1270 C80 Culvert Indicative Arrangement

Figure 5.10 Lynebeg Underpass Indicative Arrangement

Figure 5.11 Lynebeg Rail Underpass Indicative Arrangement

Figure 5.12 A9 1273 C8 Allt na Loinne Moire Culvert Indicative Arrangement

Figure 5.13 A9 1273 C28 Culvert 8 Indicative Arrangement

Figure 5.14 (a-c) Allt Creag Bheithin Culverts Indicative Arrangement

Figure 5.15 (a-b) Typical Culvert Detail

Figure 5.16 (a-k) Drainage Plan

Figure 5.17 Typical Detention Pond Landscape Detail

Figure 5.18 (a-c) Proposed Scheme Construction Area

8 People and Communities – Community and Private Assets

Figure 8.1 (a-f) Private Property, Commercial Facilities and Community Land

Figure 8.2 (a-f) Development Land Allocations and Planning Applications

Figure 8.3 (a-f) Agricultural, Forestry and Field Sports Lands

9 People and Communities – Effects on All Travellers

Figure 9.1 (a-f) Existing Non-Motorised User Routes

Figure 9.2 (a-f) Potential Impacts on Paths Proposed Mitigation

Figure 9.3 (a-f) A9 Mainline – View from the Road – Northbound Views

Figure 9.4 (a-f) A9 Mainline - View from the Road - Southbound Views

Figure 9.5 (a-f) Side Roads and Junctions View from the Road

Figure 9.6 (a-b) View from the Road Photographs Existing A9 (Northbound)

Figure 9.7 (a-b) View from the Road Existing A9 (Southbound)

Figure 9.8 Bus Routes

10 Geology, Soils and Groundwater

Figure 10.1 (a-c) Bedrock Geology

Figure 10.2 (a-c) Superficial Geology

Figure 10.3 (a-c) Soils Scotland 250k Mapping

Figure 10.4 (a-k) Peat

Figure 10.5 (a-k) Aquifer Productivity

Figure 10.6 (a-c) Hydrogeology

Figure 10.7 (a-k) Ground Water Dependent Terrestrial Ecosystems (GWDTE)

Figure 10.8 (a-c) Contaminated Land

11 Road Drainage and the Water Environment

Figure 11.1 (a-k) Surface Water

Figure 11.2 Surface Water (Water Framework Directive)

12 Ecology and Nature Conservation

Figure 12.1 (a-c) Designated Sites and Ancient Woodland

Figure 12.2 (a-k) NVC Habitats and Annex 1 Habitats

Figure 12.3 (a-l) Phase 1 Habitat Survey

Figure 12.4 (a-k) Potential Ground Water Dependent Terrestrial Ecosystems

Figure 12.5 (a-k) Scottish Biodiversity List Habitat

Figure 12.6 (a-k) CNPA Priority Habitats and Areas of Fungal Interest

Figure 12.7 (a-k) Invertebrate Records and Habitat Suitability

Figure 12.8 (a-k) Aquatic Invertebrate and Freshwater Pearl Mussel Surveys

Figure 12.9 (a-k) Bat Habitat Survey

Figure 12.10 (a-k) Breeding Bird Survey

Figure 12.11 (a-k) Wintering Bird Survey

Figure 12.12 (a-k) River Habitat and Fish Habitat Survey

Figure 12.13 (a-k) Pond Locations

Figure 12.14 (a-k) Red Squirrel Habitat Suitability Assessment and Survey Data

Figure 12.15 (a-k) Reptile Habitat Suitability Assessment and Incidental Records

Figure 12.16 (a-k) Otter and Water Vole Survey Results

Figure 12.17 (a-k) Pine Marten Habitat Suitability and Survey Data

Figure 12.18 (a-k) Desk Study Records and Incidental Sightings

Figure 12.19 (a-c) Location of Underpasses for Deer Passage

13 Landscape

Figure 13.1 Regional Landscape Related Designations and Character Areas

Figure 13.2 Local Landscape Character Areas

Figure 13.3 LLCA A – Eastern Monadhliath Mountains Landscape Character Photographs

Figure 13.4 LLCA B – Meall Mor and Strathairn Landscape Character Photographs

Figure 13.5 LLCA C – Moy Estate Landscape Character Photographs

Figure 13.6 LLCA D – Western Dava Moor Uplands Landscape Character Photographs

Figure 13.7 LLCA E – Strathdearn and Tomatin Landscape Character Photographs

Figure 13.8 (a-t) Landscape and Ecological Mitigation

Figure 13.8 (u-w) Landscape Detail Plans

Figure 13.9 (a-c) Landscape Sections

14 Visual

Figure 14.1 Zone of Theoretical Visibility

Figure 14.2 (a-f) Viewpoint Locations

Figure 14.3 (a-f) Viewpoints with Photomontage

Figure 14.4 (a-m) Viewpoints with Wireframe

Figure 14.5 (a-i) Visual Effect

15 Cultural Heritage

Figure 15.1 Cultural Heritage Study Area

Figure 15.2 (a-f) Heritage Assets

Figure 15.3 (a-c) Previous Archaeological Events

Figure 15.4 (a-f) Historic Landuse Assessment Data

16 Air Quality

Figure 16.1 (a-f) Air Quality Receptor and Monitoring Locations

Figure 16.2 (a-f) Air Quality Construction Assessment

17 Noise and Vibration

Figure 17.1 (a-c) Noise Study Area and Noise Receptor Locations

Figure 17.2 (a-c) Noise Measurement Locations

Figure 17.3 (a-f) Change in Noise on Scheme Opening

Figure 17.4 (a-f) Change in Noise by Design Year with Scheme

Figure 17.5 (a-f) Change in Noise by Design Year Without Scheme

Figure 17.6 (a-f) Change in Noise on Scheme Opening with Mitigation

Figure 17.7 (a-f) Change in Noise by Design Year with Scheme with Mitigation

Figure 17.8 (a-c) Surface Type Do-Minimum

Figure 17.9 (a-c) Surface Type Do-Something

Appendix A10.1 Peat Stability

Figure A10.1.1 (a-k) Peat Stability Assessment Peat Depth

Figure A10.1.2 (a-k) Peat Stability Assessment Factor of Safety

Figure A10.1.3 (a-c) Peat Stability Assessment Detailed Assessment Areas

Appendix A10.2 Soil and Peat Management Plan

Figure A10.2.1 (a-k) Peat Locations and Potential Re-use Areas

Appendix A10.4 Contaminated Land

Figure A10.4.1 (a-k) Contaminated Land

Appendix A11.1 Hydromorphology Report

Figure A11.1.1 Fluvial Geomorphology Study Area

Figure A11.1.2 (a-f) Geomorphology Walkover Survey Extent and Crossing Locations

Figure A11.1.3 (a-b) Dalmagarry Realignment

Appendix A11.2 Flood Risk Assessment

Figure A11.2.1 Flood Risk Study Area

Figure A11.2.2 Hydrology Catchment Area

Figure A11.2.3 Potentially Vulnerable Areas

Figure A11.2.4 (a-c) Topographical Survey Extent

Figure A11.2.5 Hydrographic Gauging Stations Location Plan

Figure A11.2.6 Watercourse Catchment Plan

Figure A11.2.7 (a-c) Hydraulic Model Schematic

Figure A11.2.8 (a-f) AMJV 0.5% Baseline

Figure A11.2.9 (a-f) AMJV 3.33% Baseline

Figure A11.2.10 (a-f) AMJV 0.5% and Climate Change Flood Map

Figure A11.2.11 (a-f) AMJV 0.5% AEP Proposed Scheme with Mitigation

Figure A11.2.12 (a-f) AMJV 0.5% AEP and Climate Change Proposed Scheme with Mitigation

Figure A11.2.13 (a-f) AMJV 0.5% AEP Impact Magnitude Proposed Scheme with Mitigation

Figure A11.2.14 (a-f) AMJV 0.5% AEP Impact Magnitude and Climate Change Proposed Scheme with Mitigation

Appendix A11.3 Drainage Network Water Quality Calculations

Figure A11.3.1 Water Quality Assessment Natural Watercourse Catchments