Contents

Volume 1: Environmental Statement

Non-Technical Summary
Glossary
Abbreviations

1 Introduction 1-1
1.1 Overview 1-1
1.2 Background to the Proposed Scheme 1-1
1.3 Strategic Environmental Assessment 1-2
1.4 The Proposed Scheme 1-3
1.5 Statutory Context for EIA 1-3
1.6 Environmental Statement (ES) 1-4
1.7 The Assessment Team 1-5
1.8 Review and Comments 1-6
1.9 References 1-7

2 Need for the Proposed Scheme 2-1
2.1 Introduction 2-1
2.2 The A96 Aberdeen - Inverness Trunk Road 2-1
2.3 National Context for A96 Dualling 2-1
2.4 Local Context for A96 Dualling 2-3
2.5 Objectives of the Proposed Scheme 2-4
2.6 Traffic Conditions 2-4
2.7 References 2-5

3 Consideration of Alternatives 3-1
3.1 Introduction 3-1
3.2 A96 Corridor and Options Studies 3-1
3.3 DMRB Stage 2 Options Appraisal 3-3
3.4 Post DMRB Stage 2: Proposed Scheme Design Options 3-5
3.5 References 3-7

4 The Proposed Scheme 4-1
4.1 Introduction 4-1
4.2 Scheme Procurement 4-1
4.3 Sustainable Development Policy 4-1
4.4 Proposed Scheme Design 4-2
4.5 Traffic Conditions 4-2
4.6 Outline of the Proposed Scheme 4-3
4.7 Proposed Scheme Design Details 4-8
### 4.8 Construction Methods and Programme  
4-11  
### 4.9 References  
4-14  

#### 5 Overview of the Assessment Process  
5-1  

- **5.1 Introduction**  
  5-1  
- **5.2 Scope and Guidance**  
  5-1  
- **5.3 Consultation**  
  5-4  
- **5.4 Environmental Reporting**  
  5-4  
- **5.5 References**  
  5-6  

#### 6 Consultation and Scoping  
6-1  

- **6.1 Introduction**  
  6-1  
- **6.2 Approach and Methods**  
  6-1  
- **6.3 Consultation Summary**  
  6-4  
- **6.4 Key Issues Raised by Consultees**  
  6-5  
- **6.5 References**  
  6-7  

#### 7 Air Quality  
7-1  

- **7.1 Introduction**  
  7-1  
- **7.2 Methodology**  
  7-5  
- **7.3 Baseline Description and Evaluation**  
  7-13  
- **7.4 Impacts – Construction**  
  7-17  
- **7.5 Impacts – Operation**  
  7-20  
- **7.6 Mitigation**  
  7-25  
- **7.7 Residual Effects**  
  7-25  
- **7.8 References**  
  7-25  

#### 8 Noise and Vibration  
8-1  

- **8.1 Introduction**  
  8-1  
- **8.2 Methodology**  
  8-5  
- **8.3 Baseline Description and Evaluation**  
  8-14  
- **8.4 Impacts – Construction**  
  8-16  
- **8.5 Impacts – Operation**  
  8-17  
- **8.6 Mitigation**  
  8-36  
- **8.7 Residual Impacts**  
  8-39  
- **8.8 Monitoring and Management**  
  8-55  
- **8.9 References**  
  8-55  

#### 9 Landscape  
9-1  

- **9.1 Introduction**  
  9-1  
- **9.2 Methodology**  
  9-2
## 9. Baseline Description and Evaluation
- 9.3 Baseline Description and Evaluation 9-8
- 9.4 Potential Effects: Construction 9-17
- 9.5 Potential Effects: Operation 9-19
- 9.6 Mitigation 9-19
- 9.7 Residual Effects 9-26
- 9.8 References 9-47

## 10. Visual
- 10.1 Introduction 10-1
- 10.2 Methodology 10-2
- 10.3 Baseline Description and Evaluation 10-7
- 10.4 Potential Effects: Construction 10-13
- 10.5 Potential Effects: Operation 10-14
- 10.6 Mitigation 10-14
- 10.7 Residual Effects 10-15
- 10.8 References 10-38

## 11. Habitats and Biodiversity
- 11.1 Introduction 11-1
- 11.2 Methodology 11-3
- 11.3 Baseline Description and Evaluation 11-12
- 11.4 Impacts 11-27
- 11.5 Mitigation 11-49
- 11.6 Monitoring 11-67
- 11.7 Residual Impacts 11-67
- 11.8 References 11-68

## 12. Geology, Soils, Contaminated Land and Groundwater
- 12.1 Introduction 12-1
- 12.2 Methodology 12-2
- 12.3 Baseline Description and Evaluation 12-9
- 12.4 Potential Impacts 12-17
- 12.5 Mitigation 12-29
- 12.6 Residual Impacts 12-32
- 12.7 References 12-32

## 13. Road Drainage and the Water Environment
- 13.1 Introduction 13-1
- 13.2 Legislative and Policy Background 13-2
- 13.3 Methodology 13-3
- 13.4 Baseline Description and Evaluation 13-18
13.5 Consultation 13-25
13.6 Impacts – Construction 13-25
13.7 Impacts – Operation 13-41
13.8 Mitigation 13-63
13.9 Residual Impacts 13-72
13.10 References 13-76

14 Cultural Heritage 14-2
14.1 Introduction 14-2
14.2 Legislative and Policy Background 14-3
14.3 Methodology 14-4
14.4 Baseline Description and Evaluation 14-8
14.5 Potential Impacts: Construction 14-16
14.6 Potential Impacts: Operation 14-22
14.7 Mitigation 14-24
14.8 Residual Impacts 14-26
14.9 References 14-27

15 People and Communities: Community and Private Assets 15-1
15.1 Introduction 15-2
15.2 Legislative and Policy Background 15-3
15.3 Methodology 15-4
15.4 Baseline Description and Evaluation 15-16
15.5 Potential Impacts: Construction and Operation 15-22
15.6 Mitigation 15-34
15.7 Residual Impacts 15-37
15.8 References 15-43

16 People and Communities: Effects on All Travellers 16-1
16.1 Introduction 16-1
16.2 Relevant Legislative, Plans and Policies and Background 16-3
16.3 Methodology 16-3
16.4 Limitations to the Assessment 16-15
16.5 Baseline Description and Evaluation 16-15
16.6 Consultation 16-21
16.7 NMU Proposals 16-21
16.8 Impacts 16-23
16.9 Mitigation 16-41
16.10 Residual Impacts 16-45
16.11 Monitoring and Management 16-49
16.12 References 16-49
## 17 Materials

17.1 Introduction .......................... 17-1
17.2 Legislative and Policy Background ............... 17-3
17.3 Methodology .......................... 17-4
17.4 Baseline Description and Evaluation ............. 17-9
17.5 Impacts – Site Preparation, Clearance, Demolition and Construction .......... 17-13
17.6 Carbon Assessment .................... 17-18
17.7 Summary of Direct, Indirect, Temporary and Cumulative Impacts .............. 17-20
17.8 Mitigation ................................ 17-23
17.9 Residual Impacts ....................... 17-28
17.10 References ........................... 17-31

## 18 Policies and Plans

18.1 Introduction .......................... 18-1
18.2 Approach and Methods .................... 18-2
18.3 Summary of Policies and Plans ............... 18-3
18.4 Assessment of Compliance .................. 18-13
18.5 References ........................... 18-22

## 19 Assessment of Cumulative Effects

19.1 Introduction .......................... 19-1
19.2 Approach and Methods .................... 19-1
19.3 Potential Cumulative Impacts ............... 19-3
19.4 Mitigation ................................ 19-6
19.5 Conclusions ........................... 19-6
19.6 References ........................... 19-6

## 20 Schedule of Environmental Commitments

20.1 Introduction .......................... 20-1
20.2 Mitigation Schedules .................... 20-1

## 21 Summary of Significant Residual Impacts

21.1 Introduction .......................... 21-1
Volume 2: Technical Appendices

This document supports Volume 1 (Main Report) of the A96 Dualling Inverness to Nairn (including Nairn Bypass) Environmental Statement.

1 Introduction
   A1.1 Record of Determination

4 The Proposed Scheme
   A4.1 Construction Information

5 Overview of the Assessment Process
   A5.1 Receptor Register

6 Consultation and Scoping
   A6.1 Consultees
   A6.2 Summary of Consultation Responses

7 Air Quality
   A7.1 Air Quality Dispersion Model Setup
   A7.2 Air Quality Verification and Adjustment
   A7.3 Construction Phase Assessment
   A7.4 Air Quality Assessment: Receptor Results

8 Noise and Vibration
   A8.1 Noise and Vibration Terminology
   A8.2 Detailed Baseline Noise Survey Results
   A8.3 Predicted Noise Levels at Noise Sensitive Receptors
   A8.4 Wider Road Network Assessment
   A8.5 Noise Impacts on Committed Developments
   A8.6 Noise Impacts on Amenity Areas

9 Landscape
   A9.1 Local Landscape Character Areas (LLCAs)
   A9.2 Project Design Objectives

10 Visual
   A10.1 Built Receptor Assessment Table
   A10.2 Outdoor Receptor Assessment Table

11 Habitats and Biodiversity
   A11.1 Legislation and Policy Framework
   A11.2 Methods and Baseline
   A11.3 Mitigation Protocol
   CA11.1 Confidential Appendix – Badger and Otter

12 Geology, Soils, Contaminated Land and Groundwater
   A12.1 Contaminated Land Sources
   A12.2 Peat Assessment

13 Road Drainage and Water Environment
   A13.1 Baseline Conditions
   A13.2 Flood Risk Assessment
   A13.3 Water Quality Calculations
   A13.4 Residual Impact Tables
   A13.5 Watercourse Crossings
14 Cultural Heritage
A14.1 Cultural Heritage Desk-based Survey
A14.2 Results of the Geophysical and Metal Detecting Survey
A14.3 Results of the Aerial Photography Rectification
A14.4 Cultural Heritage Impact Tables – Recording Non-significant Potential Impacts on Cultural Heritage Assets
A14.5 Potential Mitigation Tables

15 People and Communities: Community and Private Assets
A15.1 Land Capability for Agricultural Descriptors
A15.2 Farm Business Survey
A15.3 Forestry Survey
A15.4 Commercial and Industrial Properties
A15.5 Development Land Assessment
A15.6 Agriculture and Forestry Land Sensitivity Assessment
A15.7 Agriculture and Forestry Land Interests – Pre- and Post-Mitigation Impacts

16 People and Communities: Effects on All Travellers
A16.1 People and Communities – All Travellers Consultation
A16.2 Non-motorised User Baseline Conditions
A16.3 Non-motorised User Severance Schedule
A16.4 The Highland Council NMU Flow Data
A16.5 Assessment of Access to Outdoor Areas
A16.6 Full Assessment Results for Public Rights of Way and Other NMU Routes
A16.7 Assessment of View from the Road

17 Materials
A17.1 Key Legislation, Plans, Policies and Guidance
A17.2 Carbon Assessment

18 Policies and Plans
A18.1 Planning Policy Context for Environmental Assessment
A18.2 Assessment of Development Plan Policy Compliance
## Contents

### Volume 3: List of Figures

This document supports Volume 1 (Main Report) of the A96 Dualling Inverness to Nairn (including Nairn Bypass) Environmental Statement.

#### 1 Introduction and Overview
- 1.1 A96 Trunk Road
- 1.2 Environmental Constraints
- 2.1 Traffic Flows Location Plan – Base Year/Do-Minimum
- 2.2 Traffic Flows Location Plan – Do Something
- 3.1 Stage 2 Route Options
- 4.1 The ProposedScheme

#### 7 Air Quality
- 7.1 Air Quality Constraints Plan
- 7.2 Sensitive Receptor Results Nitrogen Dioxide Annual Concentrations Base Scenario (2014)
- 7.3 Sensitive Receptor Results Nitrogen Dioxide Annual Concentrations Do-Minimum Scenario (2021)
- 7.4 Sensitive Receptor Results Nitrogen Dioxide Annual Concentrations Do-Something Scenario (2021)
- 7.5 Sensitive Receptor Results Nitrogen Dioxide Annual Average Concentrations Change in Concentrations (DS2021 – DM2021)

#### 8 Noise and Vibration
- 8.1 Noise and Vibration Study Area and Calculation Area
- 8.2 Baseline Noise Monitoring Locations and Sample Receptors
- 8.3 Noise Level Difference Contour Map (Ground Floor) Do-Min. Baseline Year Vs Do-Min. Future Assessment Year
- 8.4 Noise Level Difference Contour Map (First Floor) Do-Min. Baseline Year Vs Do-Min. Future Assessment Year
- 8.5 Noise Level Difference Contour Map (Ground Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year
- 8.6 Noise Level Difference Contour Map (First Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year
- 8.7 Noise Level Difference Contour Map (Ground Floor) Do-Min. Baseline Year Vs Do-Something Future Assessment Year
- 8.8 Noise Level Difference Contour Map (First Floor) No-Min. Baseline Year Vs Do-Something Future Assessment Year
- 8.9 Location of Receptor Specific Noise Mitigation
- 8.10 Noise Level Difference Contour Map (Ground Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year (With Mitigation)
- 8.11 Noise Level Difference Contour Map (First Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year (With Mitigation)
- 8.12 Noise Level Difference Contour Map (Ground Floor) Do-Min. Baseline Year Vs Do-Something Future Assessment Year (With Mitigation)
- 8.13 Noise Level Difference Contour Map (First Floor) Do-Min. Baseline Year Vs Do-Something Future Assessment Year (With Mitigation)
- 8.14 Sample Receptor Predicted Daytime Noise Levels (Ground Floor)
- 8.15 Sample Receptor Predicted Daytime Noise Levels (First Floor)
- 8.16 Sample Receptor Predicted Daytime Noise Levels (Ground Floor) (With Mitigation)
- 8.17 Sample Receptor Predicted Daytime Noise Levels (First Floor) (With Mitigation)
- 8.18 Sample Receptor Predicted Night-time Noise Levels (Ground Floor)
- 8.19 Sample Receptor Predicted Night-time Noise Levels (First Floor)
- 8.20 Sample Receptor Predicted Night-time Noise Levels (Ground Floor) (With Mitigation)
- 8.21 Sample Receptor Predicted Night-time Noise Levels (First Floor) (With Mitigation)

#### 9 Landscape
- 9.1 Local Landscape Character Areas (LLCAs)
- 9.2 Proposed Scheme on Aerial Photography
- 9.3 Landscape Features
9.4 Local Landscape Character Areas Photographs
9.5 Landscape and Ecological Mitigation
9.6 Cross Sections
9.7 Viewpoint Location Plan and Photo Montages

10 Visual
10.1 Zone of Theoretical Visibility Existing A96
10.2 Zone of Theoretical Visibility A96 Proposed Scheme
10.3 Visual Impact on Built Receptors
10.4 Visual Impact on Outdoor Receptors

11 Ecology
11.1 Ecological Designations
11.2 Phase 1 Habitat
11.3 Bat Habitat Assessment
11.4 Bat Transect Activity 2015
11.5 Bat Transect Activity 2016 and Passive Monitoring Activity 2015 and 2016
11.6 Protected Species
11.7 Breeding Bird Survey Sectors
11.8 Wintering Bird Report - Greylag Goose Foraging Distribution
11.9 Wintering Bird Report - Pink-Footed Goose Foraging Distribution
11.10 Aquatic Surveys
C11.1 Badger Activity (Confidential)
C11.2 Otter Activity (Confidential)

12 Geology
12.1 Contaminated Land, Hydrogeological and Geological Receptors
12.2 Water Supply Locations
12.3 Peat Probing Depths

13 Road Drainage and Water Environment
13.1 Features of the Water Environment

14 Cultural Heritage
14.1 Location of Archaeological Remains and Historic Buildings
14.2 Location of Historic Landscape Types

15 Community and Private Assets
15.1 Community Facilities and Community Land
15.2 School Catchment Areas
15.3 Development Land Allocations
15.4 Planning Applications
15.5 Land Capability for Agriculture
15.6 Proposed Scheme Land-take: Agricultural and Forestry Land

16 All Travellers
16.1 Existing Conditions for NMU
16.2 Effects on NMU Routes
16.3 Existing and Proposed Equestrian Crossing Locations
16.4 Existing and Proposed Public Transport Options
16.5 View from the Road Existing A96 - Eastbound
16.6 View from the Road Existing A96 - Westbound
16.7 View from the Road - WYO Proposed A96 Alignment – Eastbound
16.8 View from the Road - WYO Proposed A96 Alignment – Westbound
16.9 View from the Road - SY15 Proposed A96 Alignment – Eastbound
16.10 View from the Road - SY15 Proposed A96 Alignment – Westbound

17 Materials
17.1 Operational Waste Management Sites
17.2 Demolitions