

A27

Arundel Bypass

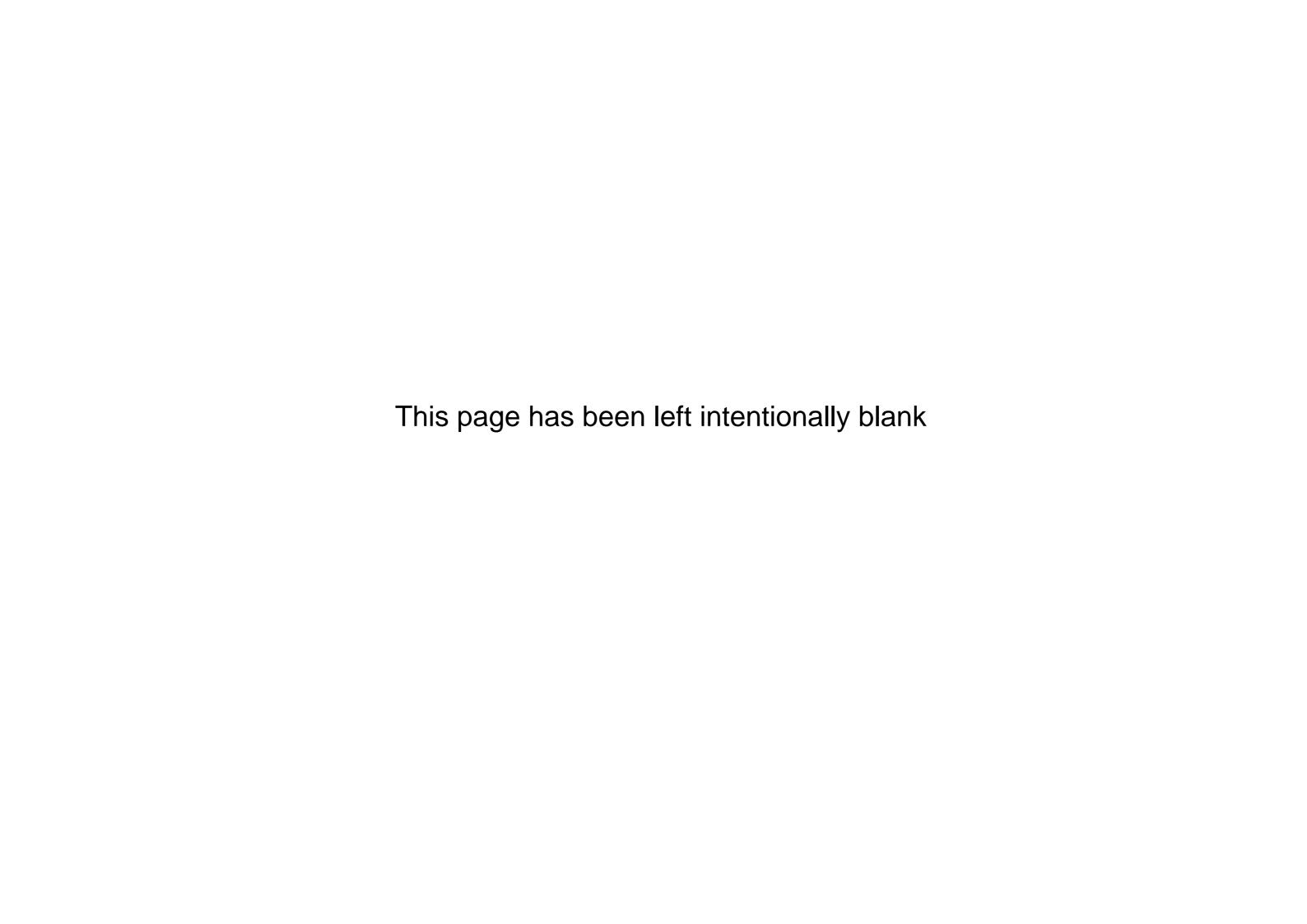
Preliminary Environmental Information Report

Volume 3

Figures

11 January 2022 – 8 March 2022





A27 Arundel Bypass Preliminary Environmental Information Report Volume 3 Figures



About this report

Thank you for taking part in our statutory public consultation on the proposed A27 Arundel Bypass Scheme. This consultation is an important step towards delivering the Scheme, which will bring many benefits to local communities and the region's economy, whilst making journeys quicker and safer, and freeing Arundel town and neighbouring communities from congestion.

To inform this consultation, we have prepared a suite of information which you can find on National Highway's website (www.nationalhighways.co.uk/our-work/south-east/a27-arundel-bypass), and which includes this Preliminary Environmental Information Report (PEI Report). This report is set out in four volumes and describes the environmental setting of the Scheme and our preliminary assessments of the Scheme's potential significant environmental effects as described below:

Volume 1 - PEI Report Non-Technical Summary (NTS), a short summary which uses non-technical language.

Volume 2 - PEI Report, a detailed technical report (in two parts), which introduces the Scheme and describes its details, the alternatives considered, and the approach taken for the environmental assessment. The PEI Report presents and then summarises the preliminary assessment of the likely significant environmental effects of the Scheme as well as considers the potential inter-relationships between the topics covered, and between the Scheme and other developments in the surrounding area.

Volume 3 – PEI Report Figures, which provide further information in the form of figures to support the initial findings presented in Volume 2.

Volume 4 – PEI Report Technical Appendices, which provide further information in the form of technical information (in three parts) to support the initial findings presented in Volume 2.

Each volume's Contents Page lists all the topics discussed. Due to their size, Volume 2 is presented in two parts (2a and 2b) and Volume 4 is presented in three parts (4a, 4b and 4c). It should be noted that those topics that are not included in the individual sub-volumes are greyed out.

This report should be read alongside the other supporting consultation materials such as the consultation brochure, which will explain where you can find more details regarding the Scheme and how to provide your comments.

This consultation is an important opportunity for you to share your comments on the Scheme ahead of submission of our Development Consent Order application, which is expected to happen later in 2022. We'd like to hear what you think, so please share any ideas, local knowledge or concerns that you may have. Your feedback to this consultation is important and will continue to help shape the design of the Scheme.

HE551523-BAM-EGN-ZZ-RP-LE-0008 06/01/22



List of figures

Figure 1-1	Location Plan
Figure 2-1	Preliminary Landscape and Environmental Masterplan (consists of 6 sheets)
Figure 6-1	Built Heritage Assets Within 1 km of Study Area (consists of 2 sheets)
Figure 6-2	Archaeological Assets Within 1 km of Study Area (consists of 2 sheets)
Figure 6-3	High Value Cultural Heritage Assets
Figure 7-1	Bare Earth ZTV Overview
Figure 7-2	Screened ZTV Overview
Figure 7-3	Bare Earth ZTV
Figure 7-4	Screened ZTV
Figure 7-5	LVIA Study Area
Figure 7-6	Topography and Hydrology
Figure 7-7	Landscape Designations
Figure 7-8	National and County Landscape Character Areas
Figure 7-9	National Park and District Landscape Character Areas
Figure 7-10	Local Landscape Character Areas
Figure 7-11	Identified Viewpoint Locations
Figure 8-1	Statutory Designated Sites (International, National, and Local Nature Reserves) (consists of two sheets)
Figure 8-2	Non-Statutory Designated Sites and Ancient Woodland Within 2 km of the Order Limits and Veteran Trees Identified as Potentially Being Affected by Changes in Air Quality (consists of 2 sheets)

Figure 9-1	Study Areas for Geology and Soils
Figure 9-2	Agricultural Land Classification
Figure 9-3	SPZ, Water Abstractions and Rivers in the Study Area
Figure 9-4	Potential Areas of Contamination (Baseline Risk Score 3-5)
Figure 11–1	Noise constraints and Baseline Monitoring Locations
Figure 11-2	Do-Minimum Traffic Noise Contours: 2027 (consists of 2 sheets)
Figure 11-3	Do-Something Traffic Noise Contours: 2027 (consists of 2 sheets)
Figure 11-4	Change in Traffic Noise Level: 2027
Figure 12-1	Population and Human Health Study Area
Figure 12-2	Existing Walking, Cycling and Horse Riding Routes
Figure 13-1	Watercourses, Flood Zones and Risk of Flooding
Figure 13-2	Water Framework Directive Waterbody Catchments
Figure 13-3	Bedrock and Superficial Geology
Figure 13-4	Groundwater Vulnerability Classification
Figure 13-5	Non-Linear Water Bodies Relevant to the Scheme
Figure 13-6	Unnamed Watercourses Referencing (consists of 4 sheets)
Figure 15-1	Cumulative Zones of Influence (consists of 2 sheets)