

Environmental Impact Gloucester South West Bypass Llanthony Road

Approach To Assessment And Appraisal

The scheme is progressing through the environmental assessment process, through screening and scoping whilst reflecting any changes in design and enabling environmental constraints to influence design. The design is subject to change at this moment in time, and therefore any mitigation and environmental constraints are not final and at this point we are unable to quantify or identify the level of any potential environmental impacts.

Air Quality

During construction work measures will be in place to minimise the impact of dust on the local area. Any long term impacts on Air quality are being assessed throughout the design process, we will be considering the impact on “sensitive receptors” (residential properties and the college) and Air Quality Management Areas.

Noise

A quantitative noise assessment is being carried out for each road junction within the scheme to assess impacts to sensitive receptors, both during and after the works, and identify whether mitigation measures are required.

Cultural Heritage

The site is adjacent to the Llanthony Secunda Priory a Scheduled Ancient Monument (SAM). A Historic Environment Desk-based assessment has been carried out. Our Archaeologist are in Consultation with Historic England regarding the scheme, suggested mitigation includes relocating lighting columns and, if possible, improving the landscape around the Priory.



Ecology

A desk based assessment followed by further site visits have established that there are no Special Sites of Scientific Interest (SSSI), Special Areas of Conservation (SAC), Special Protection Areas (SPA) or Ramsars (conservation of wetlands) within 2km, though there are non-statutory conservation sites within 100m of the scheme.



There is a pond with Great Crested Newt potential but no impact is predicated upon this site as they are within the Scheduled Ancient Monument and our works are outside. The road is seen as a significant barrier to migration. There is bat potential within buildings that will be affected so following Natural England Guidance, bat surveys are being carried out in a number of local business properties.

Water

Including surface area, flood zone, pollution, impacted water courses

The drainage strategy is being developed and will need to factor in “attenuation” (or, the containment of water on site) and allowance for climate change. During detailed design, the designer will liaise with the relevant stakeholders to discuss any flood management actions and issues. The need for improved drainage will also be investigated during detailed design stage and appropriate measures shall be put in place to ensure that any risk of flooding from potential increased surface water is avoided.

Landscape

Desktop appraisal will be carried out to assess the impact of the scheme on the local landscape, which is expected to be minimal. If mitigating measures are required they will be agreed with Natural England regarding appearance of scheme and impact on the Llanthony Priory Scheduled Ancient Monument.

