

## Climate change impact assessment

The purpose of this assessment is to help us understand the likely impacts of our decisions on the environment of North Yorkshire and on our aspiration to achieve net carbon neutrality by 2030, or as close to that date as possible. The intention is to mitigate negative effects and identify projects which will have positive effects.

This document should be completed in consultation with the supporting guidance. The final document will be published as part of the decision-making process and should be written in Plain English.

If you have any additional queries which are not covered by the guidance, please email [climatechange@northyorks.gov.uk](mailto:climatechange@northyorks.gov.uk)

**Please note: You may not need to undertake this assessment if your proposal will be subject to any of the following:**

Planning Permission  
Environmental Impact Assessment  
Strategic Environmental Assessment

However, you will still need to summarise your findings in the summary section of the form below.

Please contact [climatechange@northyorks.gov.uk](mailto:climatechange@northyorks.gov.uk) for advice.

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| <b>Title of proposal</b>                                                              | <b>Automated Highway asset data collection and processing contract.</b>                                                                                                                                                                    |
| <b>Brief description of proposal</b>                                                  | To seek agreement from the Corporate Director, Environment), in consultation with Cllr. Malcolm Taylor Executive Member for Highways & Transportation, to confirm the schemes for inclusion in the 26/27 Highways Capital Annual Programme |
| <b>Directorate</b>                                                                    | <b>BES</b>                                                                                                                                                                                                                                 |
| <b>Service area</b>                                                                   | <b>Highways and Transportation</b>                                                                                                                                                                                                         |
| <b>Lead officer</b>                                                                   | <b>James Gilroy</b>                                                                                                                                                                                                                        |
| <b>Names and roles of other people involved in carrying out the impact assessment</b> |                                                                                                                                                                                                                                            |
| <b>Date impact assessment started</b>                                                 | <b>24.02.2026</b>                                                                                                                                                                                                                          |

**Options appraisal**

Were any other options considered in trying to achieve the aim of this project? If so, please give brief details and explain why alternative options were not progressed.

No.

**What impact will this proposal have on council budgets? Will it be cost neutral, have increased cost or reduce costs?**

Please explain briefly why this will be the result, detailing estimated savings or costs where this is possible.

The annual programme is funded from an allocation from the DfT (via YNYCA). Capital improvements on the highway network, can help to reduce revenue expenditure which is funded from NYC budgets

| How will this proposal impact on the environment?                                                                                                                                           |                             | Positive impact<br>(Place a X in the box below where) | No impact<br>(Place a X in the box below where) | Negative impact<br>(Place a X in the box below where) | Explain why will it have this effect and over what timescale?                                                                                                                                                                                                                                             | Explain how you plan to mitigate any negative impacts. | Explain how you plan to improve any positive outcomes as far as possible. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------|
| <p><b>N.B. There may be short term negative impact and longer-term positive impact. Please include all potential impacts over the lifetime of a project and provide an explanation.</b></p> |                             |                                                       |                                                 |                                                       | <p><b>Where possible/relevant please include:</b></p> <ul style="list-style-type: none"> <li>• <b>Changes over and above business as usual</b></li> <li>• <b>Evidence or measurement of effect</b></li> <li>• <b>Figures for CO<sub>2</sub>e</b></li> <li>• <b>Links to relevant documents</b></li> </ul> |                                                        |                                                                           |
| Minimise <b>greenhouse gas emissions</b> e.g. reducing emissions from travel, increasing energy efficiencies etc.                                                                           | Emissions from travel       | x                                                     |                                                 |                                                       | <p>More efficient planning and coordination of future highway works, will help to reduce emissions from construction vehicles.</p> <p>Working closely with the delivery partners (NYH) to help to achieve the aims of their carbon reduction plan</p>                                                     |                                                        |                                                                           |
|                                                                                                                                                                                             | Emissions from construction | x                                                     |                                                 |                                                       | <p>More efficient planning and coordination of future highway works, will help to reduce emissions from construction vehicles.</p>                                                                                                                                                                        |                                                        |                                                                           |

| How will this proposal impact on the environment?                                                  |                                     | Positive impact<br>(Place a X in the box below where) | No impact<br>(Place a X in the box below where) | Negative impact<br>(Place a X in the box below where) | Explain why will it have this effect and over what timescale?                                                                                                                                                                                       | Explain how you plan to mitigate any negative impacts. | Explain how you plan to improve any positive outcomes as far as possible. |
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|                                                                                                    | Emissions from running of buildings |                                                       | X                                               |                                                       |                                                                                                                                                                                                                                                     |                                                        |                                                                           |
|                                                                                                    | Other                               |                                                       | X                                               |                                                       |                                                                                                                                                                                                                                                     |                                                        |                                                                           |
| Minimise <b>waste</b> : Reduce, reuse, recycle and compost e.g. reducing use of single use plastic |                                     | X                                                     |                                                 |                                                       | <p>A more longer-term programme will potentially increase the potential for in-situ materials recycling on highway schemes, helping to reduce waste sent to landfill.</p> <p>It is the intention to begin to use lower carbon treatments on our</p> |                                                        |                                                                           |

| How will this proposal impact on the environment?<br><br>N.B. There may be short term negative impact and longer-term positive impact. Please include all potential impacts over the lifetime of a project and provide an explanation. | Positive impact<br>(Place a X in the box below where) | No impact<br>(Place a X in the box below where) | Negative impact<br>(Place a X in the box below where) | Explain why will it have this effect and over what timescale?<br><br>Where possible/relevant please include: <ul style="list-style-type: none"> <li>• Changes over and above business as usual</li> <li>• Evidence or measurement of effect</li> <li>• Figures for CO<sub>2</sub>e</li> <li>• Links to relevant documents</li> </ul> | Explain how you plan to mitigate any negative impacts. | Explain how you plan to improve any positive outcomes as far as possible. |
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|                                                                                                                                                                                                                                        |                                                       |                                                 |                                                       | network from 26/27. An innovations allocation has been identified, which will allow for the trial and testing of lower carbon processes and materials, ahead of potential further roll out in future years.                                                                                                                          |                                                        |                                                                           |
| Reduce <b>water</b> consumption                                                                                                                                                                                                        |                                                       | x                                               |                                                       |                                                                                                                                                                                                                                                                                                                                      |                                                        |                                                                           |
| Minimise <b>pollution</b> (including air, land, water, light and noise)                                                                                                                                                                | x                                                     |                                                 |                                                       | Improving road surface quality<br><br>Taking steps to reduce the amount of material being taken to landfill and                                                                                                                                                                                                                      |                                                        |                                                                           |

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|                                                                                                                                                                                                                                        |                                                       |                                                 |                                                       | taking steps to safely encapsulate tar bound material within carriageway structures.                                                                                                                                                                                                                                                 |                                                        |                                                                           |
| Ensure <b>resilience</b> to the effects of climate change e.g. reducing flood risk, mitigating effects of drier, hotter summers                                                                                                        | x                                                     |                                                 |                                                       | Delivery of drainage schemes to help reduce surface water flood risk.<br>Delivery of drainage Improvement of bridge stock to enhance resilience.                                                                                                                                                                                     |                                                        |                                                                           |
| Enhance <b>conservation</b> and wildlife                                                                                                                                                                                               |                                                       | x                                               |                                                       |                                                                                                                                                                                                                                                                                                                                      |                                                        |                                                                           |

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| <p>Safeguard the distinctive characteristics, features and special qualities of <b>North Yorkshire's landscape</b></p>                                                                                                                        |                                                                      | <p><b>x</b></p>                                                |                                                                      |                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                                                  |
| <p>Other (please state below)</p>                                                                                                                                                                                                             |                                                                      | <p><b>x</b></p>                                                |                                                                      |                                                                                                                                                                                                                                                                                                                                             |                                                               |                                                                                  |

**Are there any recognised good practice environmental standards in relation to this proposal?** If so, please detail how this proposal meets those standards.

N/A

**Summary** Summarise the findings of your impact assessment, including impacts, the recommendation in relation to addressing impacts, including any legal advice, and next steps. This summary should be used as part of the report to the decision maker.

The development and implementation of the forward programme an subsequent annual programmes assists in planning of future highways capital maintenance schemes helping to improve efficiency and reduce waste.

### Sign off section

This climate change impact assessment was completed by:

|                        |                                             |
|------------------------|---------------------------------------------|
| <b>Name</b>            | <b>James Gilroy</b>                         |
| <b>Job title</b>       | <b>Team Leader Highway Asset Management</b> |
| <b>Service area</b>    | <b>Highways and Transport</b>               |
| <b>Directorate</b>     | <b>Environment</b>                          |
| <b>Signature</b>       | <b>J Gilroy</b>                             |
| <b>Completion date</b> | <b>24.02.2026</b>                           |

**Authorised by relevant Assistant Director (signature):** Barrie Mason

**Date:** 03/03/2026