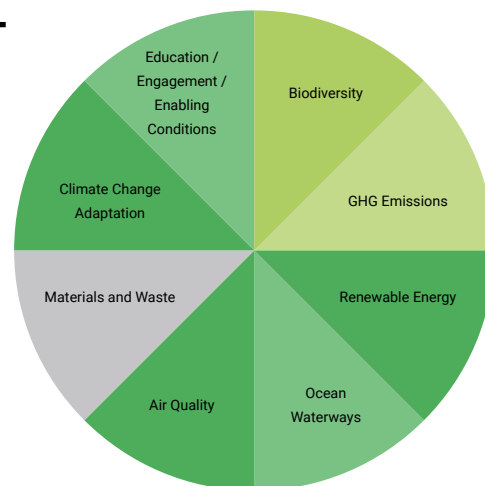


# Highways Capital Programme DRAFT



**Assessment ID:** HIG304

**Assessment Author:** Philip Bellamy

## Assessment Initial Summary:

Carry out essential capital works upon Highways including Pavements, Street Furniture, Structures and Engineering

## Assessment Final Summary:

Materials and waste are identified as a concern and this is recognised within the main delivery plan, we engage with Suppliers and contractors to ensure re-cycling is carried out where possible. On site reuse of arisings carried out. Trails being delivered to replace concrete products with sustainable options Reduction of energy designed to reduce GHG impact in place by way of CMS project Replacement of Discharge to LED technology will reduce both GHG and expenditure Innovative processes driven by team dynamics in partnership with LCRIG and SWHA drives positive development

**Biodiversity Score:** 2

**Biodiversity Score Justification:** All activity considers Bio Diversity and limitation to emissions, this includes innovative process, Consideration to environment and pollution

**Biodiversity Score Mitigate:** Yes

**Biodiversity Revised Score:** 4

**Biodiversity Revised Score Justification:** Challenge of Supply Chain, Local engagement and link with Street Scene for Bio Diversity nett gain where possible

**GHG Emissions Score:** 2

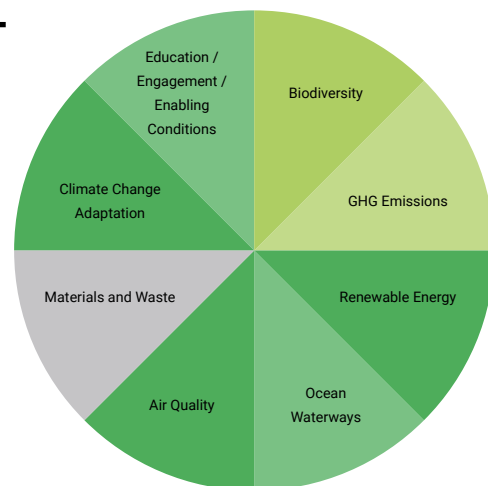
**GHG Emissions Score Justification:** One off impact on green house gas emissions during treatment application

**GHG Emissions Score Mitigate:** Yes

**GHG Emissions Revised Score:** 4

**GHG Emissions Revised Score Justification:** EV fleet adaptation Warn Lay Surface treatments Micro adoptions Water treatments Light Emission control inc temp rendition

# Highways Capital Programme DRAFT



**Renewable Energy Score: 3**

**Renewable Energy Score Justification:** Replacement of existing asset base maintains opportunity to drive RE technology

**Renewable Energy Score Mitigate:** Yes

**Renewable Energy Revised Score: 5**

**Renewable Energy Revised Score Justification:** Adoption of PV units for lighting in place infrastructure reinforcement allows for increased interconnectivity

**Ocean and Waterways Score: 4**

**Ocean and Waterways Score Justification:** Development of SuDs and attenuation units reduce impact on combined discharge arrangements Maintenance of water capture allows for any heavy metals / Micro Plastics to be identified

**Ocean and Waterways Score Mitigate:** Yes

**Ocean and Waterways Revised Score: 5**

**Ocean and Waterways Revised Score Justification:** Partnership with PML allowing identification of impact on waterways, EA and SWW interaction allowing water Management to be more effective and offers positive output

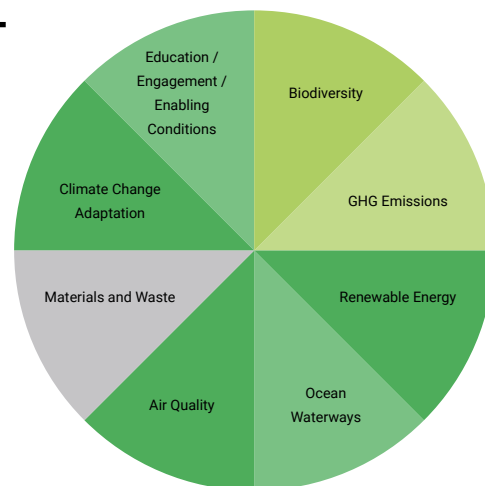
**Air Quality Score: 5**

**Air Quality Score Justification:** Air Quality Monitors being rolled out to identify Air Quality Issues and these will enable green wave / smart journey choice MOVA enablement reduces congestion Improved road surfacing reduces noise, resistance and fuel consumption

**Air Quality Score Mitigate:** No

**Materials and Waste Score: 2**

# Highways Capital Programme DRAFT



**Materials and Waste Score Justification:** Generation of waste materials necessary during works programme

**Materials and Waste Score Mitigate:** Yes

**Materials and Waste Revised Score:** 3

**Materials and Waste Revised Score Justification:** Waste management plans control arisings and waste, recycling arrangements in place, on-site reutilisation of materials carried out where possible (RecoFoam) Full waste impact assessments in controlled format

**Climate Change Adaptation Score:** 4

**Climate Change Adaptation Score Justification:** Projects will reinforce water management and response for adverse weather improvements logged Highway management techniques identified at supply/design stage

**Climate Change Adaptation Score Mitigate:** Yes

**Climate Change Adaptation Revised Score:** 5

**Climate Change Adaptation Revised Score Justification:** Partnerships with EA and SWH ensure maximised positive impact. Structure development on Culverts ensure management of impact

**Education / Engagement / Enabling Conditions Score:** 4

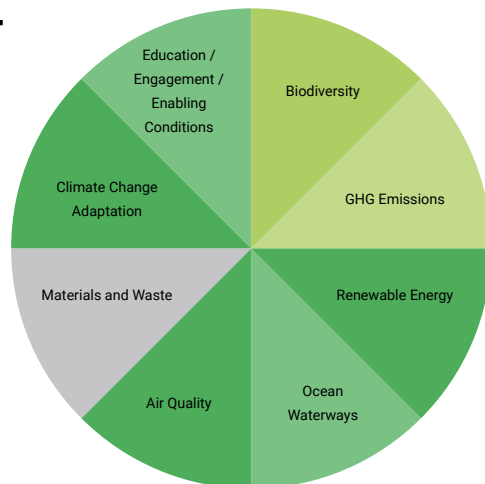
**Education / Engagement / Enabling Conditions Score Justification:** Full engagement with residents when developing project delivery programmes. Portfolio and Ward Councillors work in partnership with Highways ensuring democratic representation

**Education / Engagement / Enabling Conditions Score Mitigate:** Yes

**Education / Engagement / Enabling Conditions Revised Score:** 5

**Education / Engagement / Enabling Conditions Revised Score Justification:** Increase in Cycle way quality and route choice in place. joint working arrangements wit SP&I in new scheme

# Highways Capital Programme DRAFT



developments attendance to Plymouth Cycling Group to maximise impact of programme Regular inspection regimes in place to identify defects that could affect Highway user / sustainable transport choice Dedicated team for School and college engagements

## Wheel Key

- Long lasting or severe negative impact
- Short term or limited negative impact
- No impact or neutral impact
- Short term or limited positive impact
- Long lasting or extensive positive impact