

The background is a vibrant yellow. It is decorated with several abstract geometric shapes in shades of blue, teal, and white. These include circles, semi-circles, and rounded rectangular shapes, some of which are layered or overlapping. The shapes are scattered across the page, with a concentration in the top right and bottom left corners.

# Appendix A8.1

## Embodied Carbon

## Appendix A8.1: Construction Phase Embodied Carbon

This appendix provides the key parameters and GHG outputs associated with embodied carbon emissions during the Construction Phase are shown in Table 1. The most significant contributor to the embodied carbon emissions is GGBS which accounts for 51% of total embodied carbon emissions followed by asphalt at 33% as listed in Table 1.

**Table 1: Embodied Carbon Emissions During Construction of the Proposed Scheme**

Embodied Carbon Material	Tonnes CO <sub>2eq</sub> / Total	% Contribution
Asphalt	1,398	33%
Aggregates	274	6%
GGBS	2,166	51%
Steel	170	4%
Other	130	3%
Transport of Materials	114	3%
Total	4,253	100%