

Element	Location used on site	Quantity	Unit	Is durability important?	Are aesthetics important?	What are options for material choice?	Material Description	Manufacturer / Supplier	Distance from Site	Embodied Carbon	Embodied Carbon (kg CO2/kg)	Recycled Content	Green Guide Rating	Responsible Sourcing	Other information	Decision
ROAD AND FOOTPATH SURFACING																
Road Surfacing	New Carriageway - Existing Road, Spine Road and Offsite 278 Works	13786	m2	Yes	Yes	30mm SMA 10mm	Tarmac Foammaster	Tarmac	31 miles	30.6 kgCO2/tonne	0.031	95%	A to A+	BES 6001 ISO 9001	Information given is based on Foammaster Class A	
						40mm HRA 30/14F 40/60 with 20mm pre-coated chippings										
Road Surfacing	Traffic Islands, Footpaths, Cycleways, Bridge, River Corridor Neap and Offsite 278 Works (traffic islands and footpaths)	9723	m2	Yes	Yes	25mm SMA 6mm Mastertint	Mastertint	Tarmac	31 miles	104.38 kgCO2/tonne	0.104	0%	Not available	BES 6001 ISO 9001	No recycled content as virgin aggregates used to achieve required colours	
						Tarmac	Tarmac Foammaster	Tarmac	31 miles	30.6 kgCO2/tonne	0.031	95%	A to A+	BES 6001 ISO 9001	Information given is based on Foammaster Class A	
						Block Paving	Marshalls Mistral Priora Permeable Paving	Marshalls	46 miles	45kgCO2/m2		7 – 9 %		Good: BS 9001, BS 14001 and OHSAS 18001 Member of the ETI		
Paving Slabs	New Carriageway, River Corridor Neap and Footpaths	2213.5	m2	Yes	Yes	Permeable Paving (80mm thick)	Marshalls Mistral Priora Permeable Paving	Marshalls	46 miles	45kgCO2/m2		7 – 9 %		Good: BS 9001, BS 14001 and OHSAS 18001 Member of the ETI		
						Impermeable Paving (80mm thick)	Marshalls Tegula Impermeable Paving	Marshalls	46 miles	30kgCO2/m2		6- 14%	A – A+	Good: BS 9001, BS 14001 and OHSAS 18001 Member of the ETI		
						Permeable Priora Paving (80mm thick)	Marshalls Tegula Priora Permeable Paving	Marshalls	46 miles	28kgCO2/m2				Good: BS 9001, BS 14001 and OHSAS 18001 Member of the ETI		
						Granite Sett Paving	Marshalls Granite Sett Paving	Marshalls	46 miles	Information not available		0%		Good: BS 9001, BS 14001 and OHSAS 18001 Member of the ETI		
Paving Slabs	Spine Road (Pond Access Pavement)	591	m2			Grasscrete Block Paving (150mm thick)	Grasscrete Paving			Estimated figures - 2.53 kgCO2/ kg (from ICE database)						