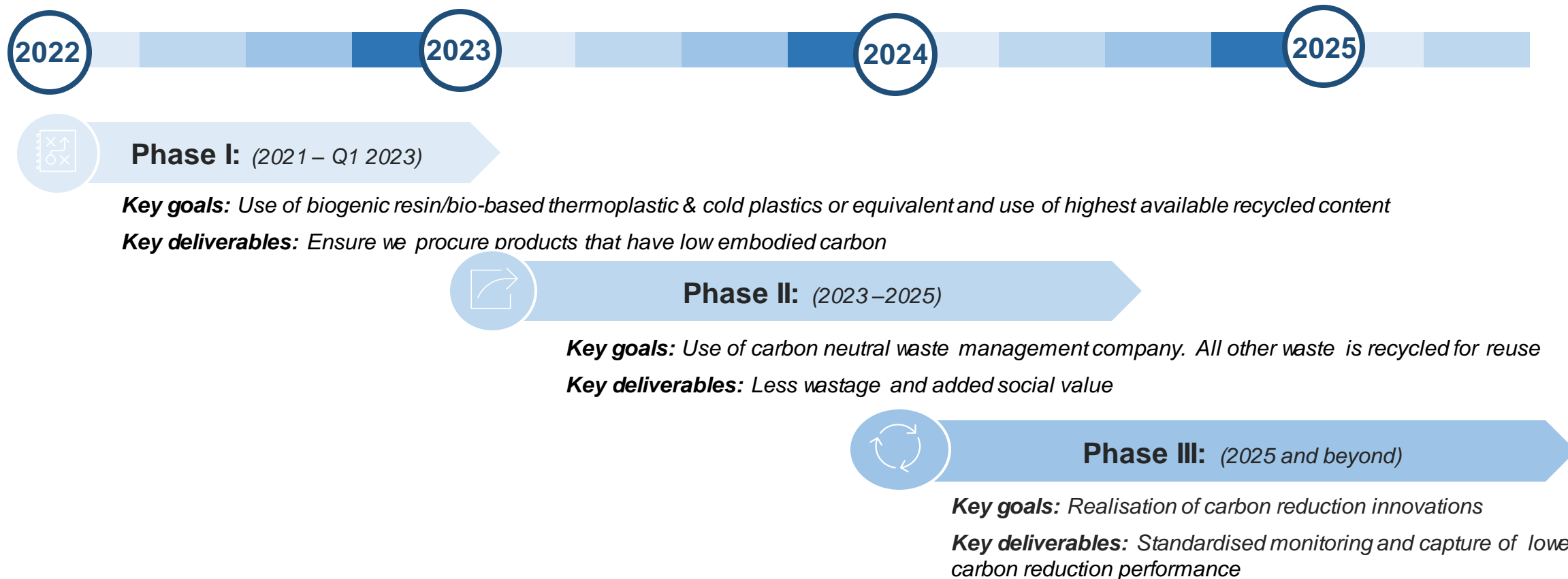


Road Markings Carbon Net Zero Plan

Road Markings Carbon Plan




Carbon NetZero goals and key deliverables



National Highways is committed to achieve decarbonisation in line with the Governments decarbonation ambitions. This will be supplemented by a focus on integrated carbon thinking within the DMRB by 2025 and a renewed focus on quality.

Road Markings Carbon Plan

Key Goals and Next Steps

	Carbon Reduction Initiatives	Next steps
 Phase I: <i>(2022 – 2023)</i>	<ul style="list-style-type: none">• Ensure availability and utilisation of low carbon materials and recycled material.• Minimise or eliminate packaging within Road Markings.• Promote use of carbon neutral waste management companies, including recycling.	<ul style="list-style-type: none">• Continued engagement with the supply chain to identify low carbon materials, processes and procedures.• Ensure driver training is ongoing to reduce emissions.• Continue to engage with suppliers and project teams to optimise the working window and increase productivity on the SRN.
 Phase II: <i>(2023 – 2025)</i>	<ul style="list-style-type: none">• Review and monitor performance of current materials, reduction in joints/areas of weakness in surface course.• Continued education of operational management of resources to minimise carbon impact.• Reducing embodied and whole life carbon within Road Markings.	<ul style="list-style-type: none">• Engagement with suppliers to calculate and demonstrate carbon reduction through effective waste management and recycling.• Whole life carbon considered and demonstrated within Road Markings design and delivery.• Continue trials & industry engagement for opportunities.
 Phase III: <i>2025 and beyond</i>	<ul style="list-style-type: none">• Incentivise performance through procurement.• Use of innovative solutions to reduce the need for maintenance/extend product life.• Actively capture and monitor carbon reduction vs our Net Zero Plan targets.	<ul style="list-style-type: none">• National Highways to continually monitor and update standards including opportunities for carbon reduction.• Hold regular touch point sessions with our supply chain and other working groups.• Ensure National Highways carbon capture tools are adopted through delivery.

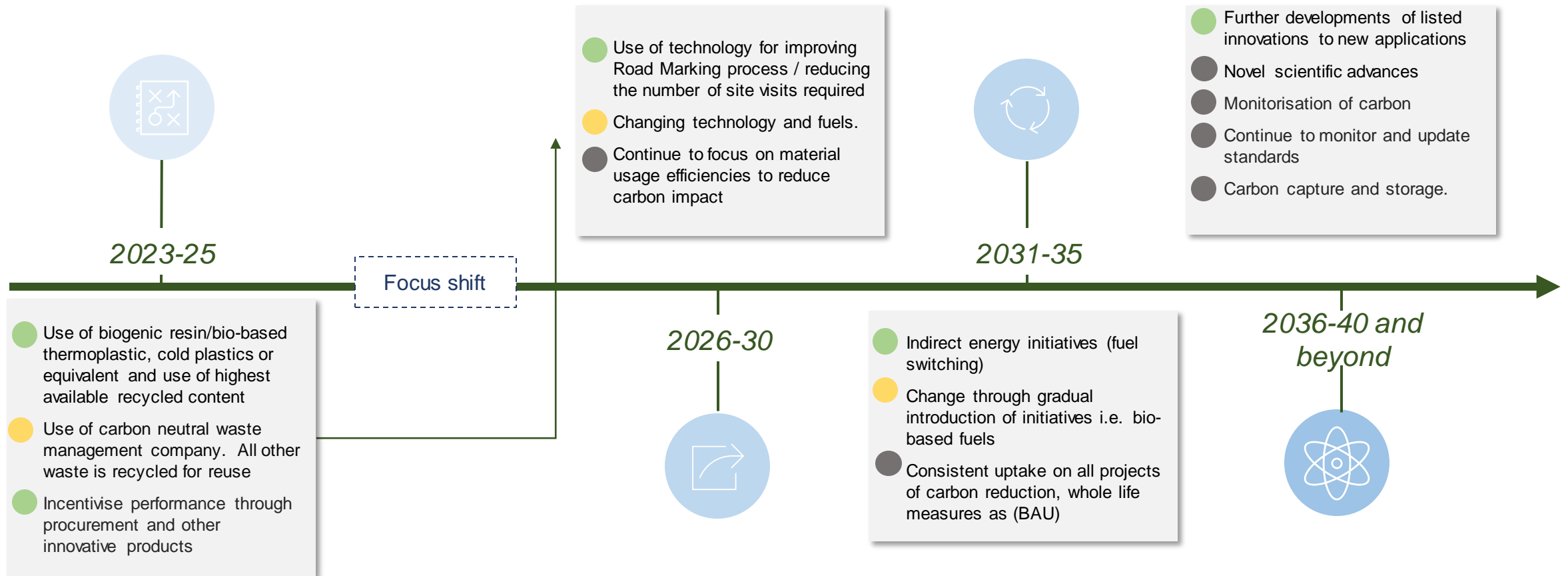
Road Markings Carbon Plan

Detailed Timing Plan

	2022				2023				2024				2025					
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
<p>Phase I:</p> <p><i>Action a</i> - Ensure availability and utilisation of low carbon materials and recycled material</p> <p><i>Action b</i> - Minimise or eliminate packaging within Road Markings.</p> <p><i>Action c</i> - Promote use of carbon neutral waste management company, including recycling.</p>		■				■				■								
<p>Phase II:</p> <p><i>Action a</i> - Review performance of current materials, reduction in joints/areas of weakness in surface course.</p> <p><i>Action b</i> - Effective management education of operational resources to minimise carbon impact.</p> <p><i>Action c</i> - Reducing embodied and whole life carbon within Road Markings.</p>										■		■						
<p>Phase III:</p> <p><i>Action a</i> - Incentivise performance through procurement.</p> <p><i>Action b</i> - Use of innovative solutions to reduce the need for maintenance/extend product life.</p> <p><i>Action c</i> - Actively capture and monitor carbon reduction vs our Net Zero Plan targets</p>													■		■		■	

Category: Road Markings

Carbon NetZero Initiatives Plan



It is key for National Highways to work closely with the supply chain and wider industry bodies to be able to achieve net zero by 2040. Trialling net zero Road Markings maintenance and construction schemes on the SRN between 2023-2025. New technologies, fuel changes, a whole life carbon approach to design, delivery and materials will be key to meeting our ambitions.

Legend:

- Higher Impact
- Lower Impact
- Unknown Impact