

**Oxford to Cambridge Expressway**  
Corridor Assessment Report Appendix B  
***Decision Matrix Study of Oxford to  
Cambridge Expressway Corridors***

PCF Stage 1

June 2018

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# Decision Matrix Study of Oxford to Cambridge Expressway Corridors (Stage 1a)

Alternatives	All Corridors									
	Corridor A	Corridor B1: north	Corridor B2: center	Corridor B3: south	Corridor C1: north	Corridor C2: center	Corridor C3: south			
<b>Strategic Objectives</b> The National Infrastructure Commission (NIC) continues to examine the Oxford to Cambridge corridor, with particular attention on potential for new housing. Emerging growth aspirations enabled strategic objectives to be refined in light of government policy priority for housing delivery and alignment of investment in new east-west multi-modal transport infrastructure, including improved east west rail links and completion of the missing link by 2030.	<b>Connectivity</b> <b>Connectivity DfT Strategic Objective</b> Provide an east-west strategic road link between Milton Keynes and Oxford that delivers enhanced connectivity through faster, safer and more reliable corridors for heavy goods vehicles. The road arc from Oxford to Cambridge via Milton Keynes.	<b>Strategic Transformation</b> <b>Strategic Transformation DfT Strategic Objective</b> Support the creation of an integrated corridor between Oxford and Cambridge, reflecting and advancing plans for infrastructure, housing, business investment and development.	<b>Economic Growth</b> <b>Economic Growth DfT Strategic Objective</b> Unlock the economic potential in the corridor by facilitating strategic growth to the benefit of the UK economy through increased productivity, employment and housing, and increasing energy efficiency with potential growth associated with East West Rail.	<b>Skills and Accessibility</b> <b>Skills and Accessibility DfT Strategic Objective</b> Promote accessibility and wider socio-economic benefits by improving access to job opportunities at key employment centres, developments, and education, health, and retail facilities whilst creating wider employment opportunities.	<b>Planning for the Future</b> <b>Planning for the Future DfT Strategic Objective</b> Reduce the impact of new housing on local roads for communities and contribute to better safety, security and health whilst promoting sustainable transport modes.	<b>Criteria</b> <b>Connectivity Intervention Objectives:</b> 1. Reduce journey times 2. Improve journey time reliability 3. Promote resilience 4. Safety performance of the project delivery 5. Safety performance of the finished product	<b>Criteria</b> <b>Strategic Transformation Intervention Objectives:</b> 1. Alignment with other transport infrastructure 2. Alignment with known and aspirational development	<b>Criteria</b> <b>Economic Growth Intervention Objectives:</b> 1. Economic Density 2. Access to gateways and freight terminals 3. Dependent development including jobs and housing 4. Skills Impact	<b>Criteria</b> <b>Skills and Accessibility Intervention Objectives:</b> Improve wider access to jobs by: 1. Reducing journey times 2. Supporting access to public transport and 3. Improve connection between homes and employment	<b>Criteria</b> <b>Planning for the Future Intervention Objectives:</b> 1. Provide infrastructure that facilitates access for traffic onto the SRN ("Right traffic on the right roads") 2. Promote access to public transport 3. Support future transport technology (improved safety, electric vehicles, low emission vehicles etc.) 4. Improve walking, cycling, and horse riding links between communities and core traffic generators 5. Integrate with existing and known future multimodal projects
	Overall Rating	G	G	G	G	G	G	G		
	Standard Differentiation Rating for Colour-coded 7-Point Scale:	1 2 3 4 5 A	1 2 3 4 5 B1: North	1 2 3 4 5 B2: Centre	1 2 3 4 5 B3: South	1 2 3 4 5 C1: North	1 2 3 4 5 C2: Centre	1 2 3 4 5 C3: South		
	Overall Rating	G	DG	DG	DG	LG	G	G		
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Strategic Objectives	Environment	<p><b>Environment DfT Strategic Objective</b> To provide a healthy, natural environment, reducing congestion and supporting sustainable travel modes and promoting equality and opportunity.</p> <p><b>Environment Intervention Objectives:</b> 1. Improve the net environmental impact of transport on communities 2. Reduce the impact of new infrastructure on natural &amp; historic environment by design 3. No net ecology loss</p> <p>Overall Rating</p> <table border="1"> <tr><td>Dark green</td><td>Highly advantageous</td></tr> <tr><td>Green</td><td>Moderately advantageous</td></tr> <tr><td>Light green</td><td>Slightly advantageous</td></tr> <tr><td>Grey</td><td>Neutral</td></tr> <tr><td>Yellow</td><td>Slightly disadvantageous</td></tr> <tr><td>Amber</td><td>Moderately disadvantageous</td></tr> <tr><td>Red</td><td>Highly disadvantageous</td></tr> </table>	Dark green	Highly advantageous	Green	Moderately advantageous	Light green	Slightly advantageous	Grey	Neutral	Yellow	Slightly disadvantageous	Amber	Moderately disadvantageous	Red	Highly disadvantageous	A	R	R	A	R	R	A				
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Innovation	<p><b>Innovation DfT Strategic Objective</b> Apply innovative technology wherever possible to support the sustainable planning, construction and operation of transport measures.</p> <p><b>Innovation Intervention Objectives:</b> 1. Promote the use of current and future technologies to support shorter journey times and reliability 2. Promote technology use to enable customers to adopt sustainable transport</p> <p>Overall Rating</p> <table border="1"> <tr><td>Dark green</td><td>Highly advantageous</td></tr> <tr><td>Green</td><td>Moderately advantageous</td></tr> <tr><td>Light green</td><td>Slightly advantageous</td></tr> <tr><td>Grey</td><td>Neutral</td></tr> <tr><td>Yellow</td><td>Slightly disadvantageous</td></tr> <tr><td>Amber</td><td>Moderately disadvantageous</td></tr> <tr><td>Red</td><td>Highly disadvantageous</td></tr> </table>	Dark green	Highly advantageous	Green	Moderately advantageous	Light green	Slightly advantageous	Grey	Neutral	Yellow	Slightly disadvantageous	Amber	Moderately disadvantageous	Red	Highly disadvantageous	LG	G	G	G	LG	LG	LG					
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