

**Report to the Cabinet Member for Highways and Transport**  
**Report submitted by: Head of Asset Management**  
**Date Monday, 13 March 2017**

**Part I**

Electoral Division affected:  
(All Divisions);

**Carriageway Lifecycle Plan**  
(Appendix 'A' refers)

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**Executive Summary**

Carriageway lifecycle planning is an important aspect of highway asset management and involves drawing up long-term plans for managing an asset grouping with the aim of providing the required levels of service at the lowest whole life cost.

The Carriageway Lifecycle Plan identifies both the short-term routine maintenance needs and long-term capital costs and enables annual spend profiles per asset to be produced. It enables long-term predictions about the deterioration of various assets and their maintenance needs to be forecast.

**Recommendation**

The Cabinet Member for Highways and Transport is recommended to approve the adoption of the Carriageway Lifecycle Plan as set out at Appendix 'A'.

**Background and Advice**

The Highways Asset Management Framework, adopted in December 2016, outlines the procedures, processes and systems the County Council has, or intends to put in place, to help ensure that highway and transport assets are maintained in a condition that is considered fit and safe for reasonable use; lifecycle planning is part of the Framework.

The carriageway lifecycle planning is an important aspect of asset management and involves drawing up long-term plans for managing an asset grouping with the aim of providing the required levels of service at the lowest whole life cost. The plan identifies both the short-term routine maintenance needs and long-term capital costs and enables annual spend profiles per asset to be produced. It enables long-term

predictions about the deterioration of various assets and their maintenance needs to be forecast.

The plan describes the outline approach to carriageway lifecycle planning to ensure that the carriageway asset is effectively and efficiently maintained in accordance with the objectives set out in the Highway Asset Management Framework.

### **Consultations**

The carriageway lifecycle plan has been approved by the Highways Infrastructure Asset Management Strategy Board.

### **Implications:**

This item has the following implications, as indicated:

### **Risk management**

### **Financial**

Lifecycle plans allow the effective use of resources by allowing the County Council to develop preventative strategies to provide treatments to carriageways at the optimum time to reduce the whole life costs of maintaining the asset. The lifecycle plan also allows the County Council to model different scenarios to allow decisions to be made on the most effective treatment options across the asset within the available budget. Without life cycle plans the worst first approach would mean whole life costs would increase and the asset would not be maintainable within the available budget.

### **List of Background Papers**

Paper	Date	Contact/Tel
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N/A

Reason for inclusion in Part II, if appropriate

N/A