

Network Resilience Plan

Highways Planned Maintenance



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[medway.gov.uk/highways](https://www.medway.gov.uk/highways)

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1.0 Introduction

A 'Resilient Highway Network' is defined as a sub-area or major Strategic Routes of the Local Highway Authorities Network that are vital to maintaining economic activity and access to essential services during extreme weather emergencies and other major incidents.

Medway Council have always applied a form of 'resilience' to their Highway Maintenance with current practices, implemented through the use of our Maintenance Hierarchy within the Transport Asset Management Plan and our Winter Service Plan.

Following the Department for Transport (DfT) review from 2013/14, Network Resilience has taken a high priority requiring Local Authorities to adopt a Network Resilience Plan. The development of a Resilient Highway Network directly supports our Local Transport targets.

As the Local Highway Authority, Medway Council is responsible for the construction and maintenance of the Local Highway Network including Carriageways, Footways, Structures, Drainage, Street Lighting and other key Highway Assets. By defining a Network Resilience Plan, Medway Council will look to prioritise Capital Maintenance Programmes on that part of the Highway Network and in turn improve Medway's resilience against extreme weather and other emergency events.

2.0 Medway's Resilient Highway Network

To first establish a Resilient Highway Network Medway Council looked closely at our Winter Service Plan to help develop a Network based upon our existing Primary and Secondary Winter Gritting Routes. However, we found through our first review of the Resilient Network that it would just be unattainable with our maintenance regimes due to its vast coverage of the Highway Network. Medway's current Highway Network covers a total distance of 835km.

Medway Council have therefore developed an internal Resilient Forum where the Highway, Emergency Planning and Transportation Team met to discuss the aims of the Resilient Network. These aims are:

- **Economic Growth** – a resilient and reliable transport network essential to supporting key local economies and encourage future growth;
- **Safety** – under extreme cases, maintain a key part of the Highway Network that is safe for public use;
- **Cost Saving** – reducing the need for the more costly alternative of Reactive Maintenance on this part of the Network unless absolutely necessary.

The biggest challenge for us in establishing a Resilient Network is that it is manageable through our Highway Maintenance regimes but also attainable in financial terms. We therefore looked to set several Criteria that shall reduce the Resilient Network to cover key areas around Medway. These Criteria are as follows:

- link major routes to Town Centres;
- roads connecting main areas with the Highway England Strategic Road Network or Kent County Council Strategic Road Network;
- high employment sites (commercial, industrial sites);
- Emergency Hub Points (Fire, Police and Ambulance Stations and Hospital);
- roads connecting to key infrastructure (Power Stations).

Please refer to **Appendix A** which shows the Resilient Network Plan which covers a total length of 123.6km and 14.8% of our total Highway Network.

The list of roads covered by the Resilient Network are given below with their qualifying criteria -

Class	Road Name or Section	Area	Length (m)	A Road or other Significant Road	Railway Station	Bus & Coach Facilities	Hospital / Ambulance	Fire Station or Emergency R.V.P.	Police Station	Connection to Others Network	Economic Centre	Major Superstore	Royal Engineers	Power/Gas Supply	Highways or Waste Depot
A2		Strood	2922	✓						✓	✓	✓			
A2		Rochester	3116	✓							✓				
A2		Chatham	2834	✓							✓				
A2		Gillingham	6173	✓				✓			✓				
A2		Rainham	2681	✓						✓	✓				
A226	Gravesend Road	Strood	1451	✓				✓		✓					
A228	Grain to A289	Peninsula	17920	✓							✓			✓	
A228	A289 to Strood Centre	Strood	1687	✓							✓				
A228	Strood Centre to M2	Strood	3204	✓							✓	✓			
A228	South of M2	Cuxton & Halling	5701	✓							✓				
A229	City Way	Rochester	2890	✓											
A229	Maidstone Road	Chatham	2770	✓				✓		✓	✓	✓			
A230	Horsted Way	Chatham	499	✓											
A230	Maidstone Road	Chatham	2628	✓											
A230	Railway Street	Chatham	355	✓	✓										
A231		Chatham	3378	✓							✓		✓		
A231		Gillingham	3112	✓	✓						✓				
A278	Hoath Way	Gillingham	7765	✓						✓					
A289		Strood & Tunnel	13240	✓						✓					
A289		Chatham & Gillingham	11367	✓					✓			✓			✓
B2001	Grain Road	Peninsula	2880	✓				✓			✓			✓	
B2004	Station Road	Rainham	451		✓			✓							
B2017	North Street	Strood	245	✓											
C32	Walderslade Road	Chatham	2948							✓					
C32	Walderslade Road by-pass	Chatham	281							✓					
C32	Robin Hood Lane	Chatham	275							✓					
C372	Dock Road	Chatham	837	✓											
C372	Maritime Way	Chatham	703	✓											
C490	High Street	Halling	1125		✓										
C490	Kent Road	Halling	482		✓										
C8	Main Road	Hoo	2958					✓							
C8	Stoke Road	Hoo	1224								✓				
C9	Bells Lane	Hoo	1411					✓							
Private	Marconi Way	Rochester	231			✓		✓							
UNC	Ambley Road	Gillingham	1547								✓				
UNC	Anthony's Way	Strood	855								✓				✓
UNC	Bailey Drive	Gillingham	1070								✓				
UNC	Canal Road	Strood	507		✓	✓									✓
UNC	Commissioners Road	Strood	157			✓					✓				✓
UNC	Courteney Road	Gillingham	209									✓			
UNC	Eshcol Road	Hoo	367								✓				
UNC	Globe Lane	Chatham	293			✓									
UNC	Grosvenor Road	Gillingham	236								✓				
UNC	Hempstead Valley Drive	Hempstead	702								✓	✓			
UNC	Marlborough Road	Gillingham	877				✓								
UNC	Montgomery Road	Gillingham	183				✓								
UNC	Railway Street	Gillingham	336		✓										
UNC	Riverside	Strood	220			✓					✓				✓
UNC	Rock Avenue	Gillingham	468				✓								
UNC	Ropers Lane	Hoo	1149								✓				
UNC	Sharsted Way	Hempstead	623								✓	✓			
UNC	Sir John Hawkins Way	Chatham	229			✓									
UNC	Sir Thomas Longley Road	Strood	224								✓				✓
UNC	St Werburgh Crescent	Hoo	101					✓							
UNC	Station Road	Cuxton	278		✓										
UNC	Whitewall Road	Strood	787								✓				✓
UNC	Will Adams Way	Gillingham	444								✓				
		Total Length	123.6km												

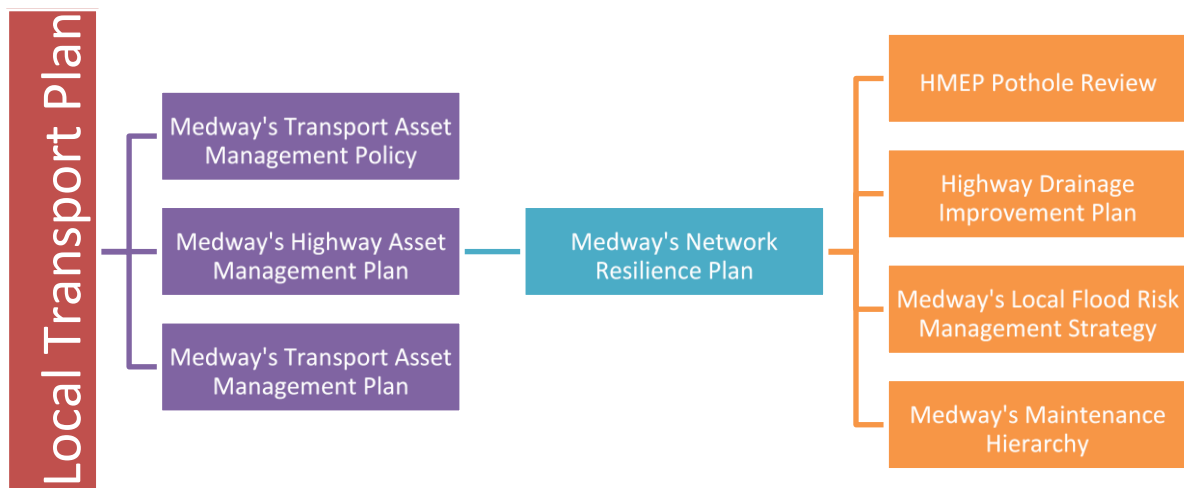
3.0 Implementing out Resilient Network

Medway Council will implement the Network Resilience Plan through:

- targeting investment through the annual Capital Works Programme for Carriageway, Footway, Structures and Drainage;
- fast-tracking any reactive works that may occur on the Resilient Network to maintain network flow;
- review intervention levels to avoid disruptions on the Highway Network, e.g. increasing drainage cleansing on the Resilient Network.

4.0 Delivery Structure

Medway's Highway Resilience Network is derived from the Highway Asset Management Plan and Local Transport Plan.



5.0 Development and Review

The responsibility for the development and review of these plans rests with the Highways team working in partnership with Medway Council's Transport, Emergency Planning and Traffic Management Team.

The DfT requires that all Local Highway Authorities review their Network Resilience Plans every two years.

APPENDIX A

Please refer to Medway's Resilience Network Map online