

Hartlepool Borough Council

Highway Resilient Network



Latest Revision – February 2021

Hartlepool Borough Council – Highway Resilient Network

Hartlepool Borough Council's biggest physical asset by far is the highway network of which periods of prolonged extreme weather can cause severe disruption and delays resulting in lost income for local and regional businesses. This was prevalent during the winters of 2013/14, where many areas of the country suffered due to the severe weather.

In response, the Secretary of State commissioned an independent national review of the resilience of the network which resulted in the 2014 Transport Resilience Review by the Department for Transport (DfT). The review made 63 recommendations; 14 of which were for Local Authorities.

The review recommended that Local Highway Authorities should identify a 'resilient network' which will receive priority in extreme weather – to maintain economic activity and access to key services. This has support from the [Well-Managed Highways Infrastructure \(a Code of Practice\)](#).

For Hartlepool Borough Council the resilient network (covering 10% of our total network) is a sub-section of the primary winter maintenance network. This gritting network consists of a number of defined routes on which we undertake precautionary salting and is much more extensive – the primary routes cover approximately 40% of our total highway network.

In identifying the resilient network the following scenarios were noted :

- Critical Services – Urban based
- Main business parks and / or industrial estates
- Emergency services
- A&E Hospital
- Public Transport key sites
- Local Authority Depot
- Critical infrastructure e.g. Nuclear Power Station

How will it be used?

The resilient network will be a tactical tool where priority can be given to minimise the impacts of extreme weather. This could include:

- extra maintenance interventions/inspections may be used to ensure continued functionality;
- prioritising funding to mitigate the onset of deterioration of the asset;
- prioritising the work programme to reduce the risk of failure in the asset;
- prioritising reactive maintenance in the case of extreme weather;
- assisting in emergency planning events including recovering from an emergency event.

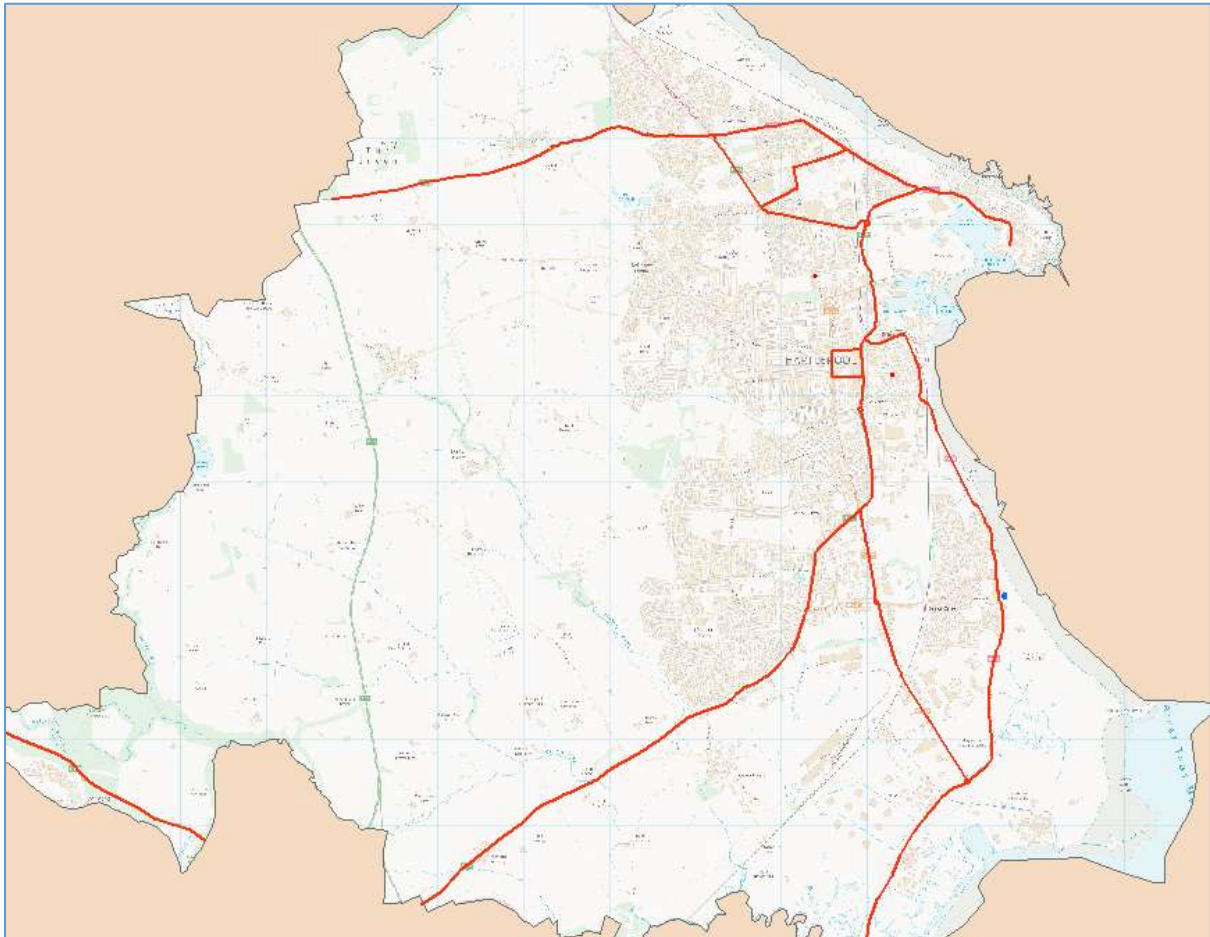
Priority maintenance will not be restricted to the carriageway but will include the following key network assets –

- Carriageway
 - Footway
 - Structures
 - Traffic Signals
 - Street Lighting

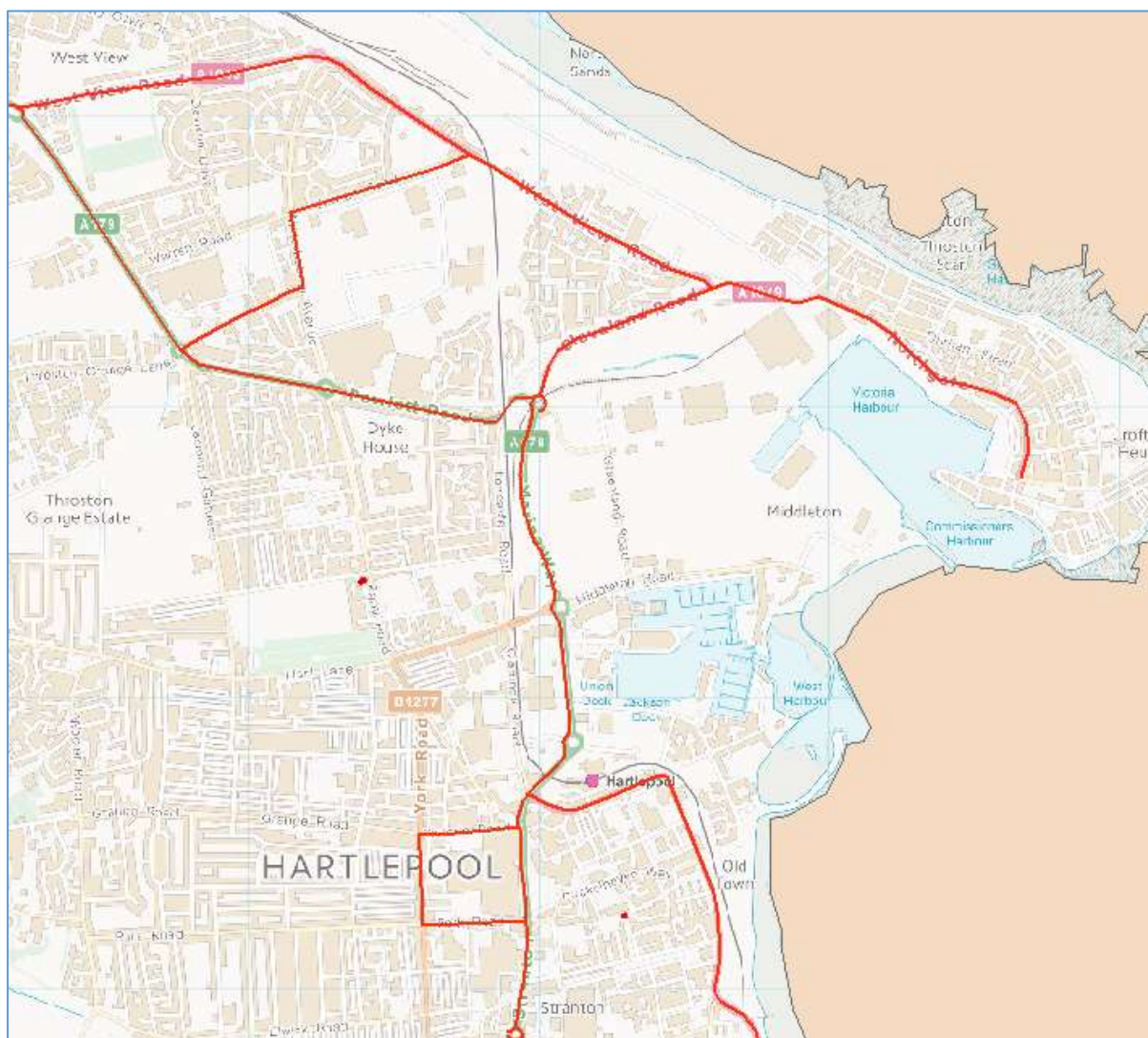
The map below shows graphically the network as a whole with further maps detailing the north and south regions in more detail.

Maps Detailing Hartlepool Borough Councils Resilient Network

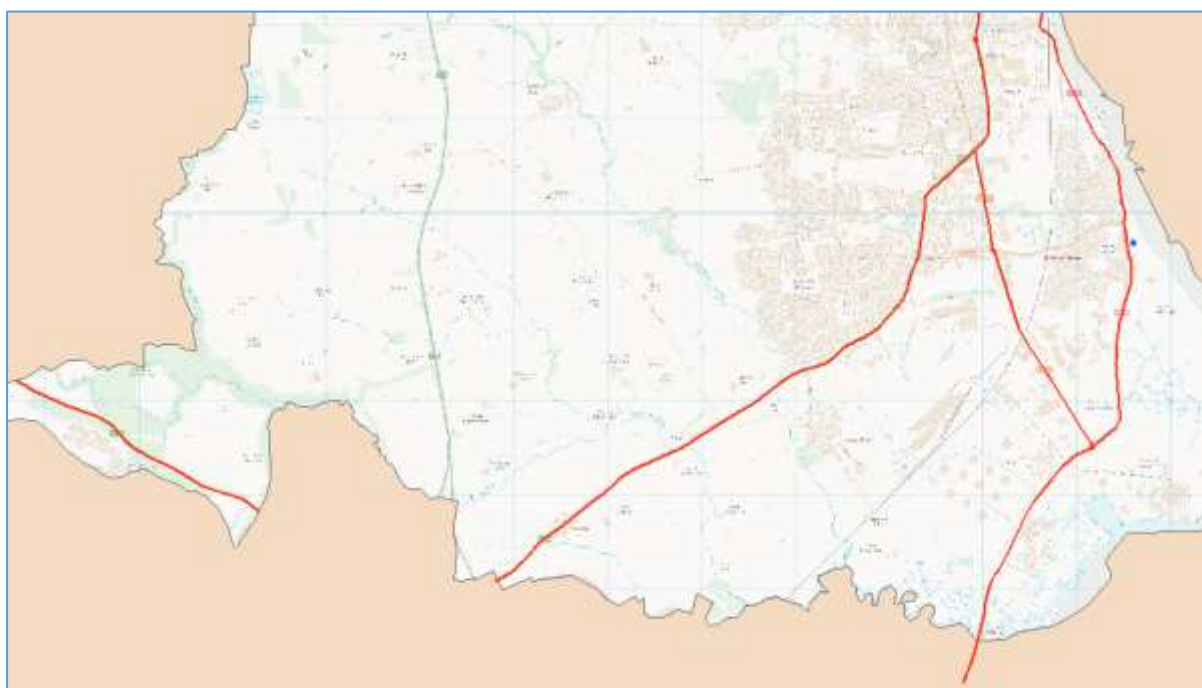
Map 1 – Complete Network



Map 2 – Main Town Centre and North Estates



Map 3 – Southern Area



Highway Inspections

In the event that it deemed necessary to put into action the needs of the resilient network normal highway inspections will likely cease for a period of time and be replaced with a dedicated inspection route which will be continuously driven to ensure the primary network remains open to enable businesses and emergency vehicles to have full access. The inspection route is detailed below.

Street	Location	Length (m)
BELLE VUE WAY	Full Length	1866
BRENDA ROAD	A689 to Tees Road	3370
CHURCH STREET	Full Length	477
CLEVELAND ROAD	Full Length	728
CORONATION DRIVE	Full Length	1577
EASINGTON ROAD	Hart Road to Powlett	965
HART ROAD	Full Length	3483
HARTLEPOOL ROAD	Full Wynyard Village Length	2852
HOLDFORTH ROAD	Full Length	449
MAINSFORTH TERRACE	Church Street to Newburn Bridge	934
MARINA WAY	Full Length	1411

NORTHGATE	Full Length	1385
PARK ROAD	York Road to A689	350
POWLETT ROAD	Full Length	1267
STOCKTON ROAD	A689 section Belle Vue Way to Wolviston Rbout	6822
STOCKTON STREET	Full Length	328
STRANTON	352Full Length	352
TEES ROAD	Full Length	4791
THE CLIFF	Full Length	595
THE FRONT	Full Length	607
VICTORIA ROAD	A689 to York Road	332
WARREN ROAD	West View to Winterbottom	645
WEST VIEW ROAD	Full Length	2591
WINTERBOTTOM AVENUE	Warren Rd to Holdforth	913
YORK ROAD	Victoria Rd to Park Rd	309