

# Resilient Network Plan



## Version Control

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## EXECUTIVE SUMMARY

The Resilient Network Plan has been developed to conform to the recommendations set out in the Code of Practice Well-managed Highway Infrastructure, published in October 2016 and founded on the key principles of Best Value and Risk Assessment. It is closely connected to the Middlesbrough's Highway Infrastructure Maintenance Plan and follows the principals set out in that document.

## INTRODUCTION

We have identified a resilient network, which will receive priority in regards to maintenance and other measures in order to minimise the risk to the town both in terms of economy and in access.

The highway network routes that form part of Middlesbrough's resilient network are those routes, which are deemed essential to the highway network and do not necessarily follow road classification or road hierarchy.

The resilient network sets out the following:

- Identifies the network routes that form the resilient network
- Identifies critical infrastructure
- Where possible, directs programmes of work on its highway assets to ensure the resilience is maintained or improved upon
- Takes a risk based approach on identifying the hierarchy category to ensure sufficient safety inspections are carried out on all its highway assets
- Leads cyclical maintenance teams to set gully cleansing, bridge drainage, and other environmental activities to ensure that they are adequate to keep drainage systems functioning to their maximum capacity.
- Links to the Council's Winter Maintenance Plan, i.e. the gritting routes are part of the resilient route network.

In developing the resilient network, we have considered and ensured that it provides:

- connectivity between major communities;
- links to strategic highway network;
- connectivity across authority boundaries where appropriate;
- links to transport interchanges;

- maintains where possible access to emergency facilities including Fire and Rescue, Police, Ambulance Services and Hospitals;
- links to critical infrastructure such as ports, power stations, water treatment works etc.;
- principal public transport routes, access to rail and bus stations and to bus garages and other depots; and
- other locally important facilities.

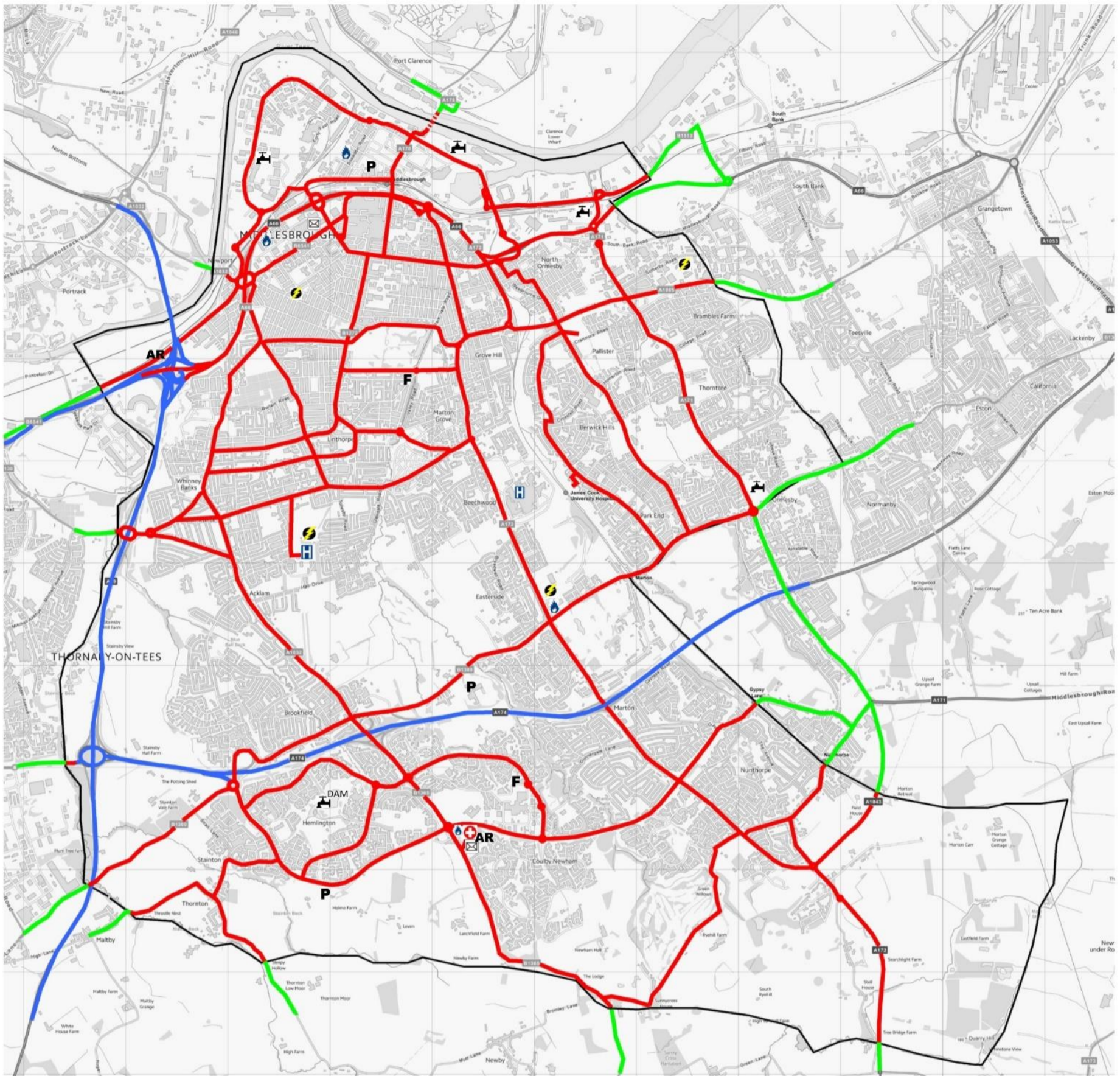
## RESILIENT HIGHWAY







The degree to which normal services can be maintained is dependent on the nature, scale and duration of the incident. The aim is to continue to provide essential services as normal, and to provide other, non-essential services at the best standard achievable.

Winter maintenance: in-depth details in regards to winter maintenance are contained in the Council's Winter Maintenance Service Plan, which is published on the Council's web site, under Roads and Highways.

Below is a plan showing the Councils resilient highway network. A list of streets making up the resilient network is in the process of being undertaken and will be included in the next review of this document as Middlesbrough Resilient Network List of Streets. The list will be reviewed biennially (every 2 years) to take into account any required changes due to new or altered infrastructure.

Resilient network map last reviewed 16-08-2021.



- |   |  |
|---|--|
|  MBC RESILIENT NETWORK         |  AMBULANCE STATION    |
|  HE NETWORK                    |  HOSPITAL             |
|  ADJOINING AUTHORITY           |  FIRE BRIGADE STATION |
|  GAS PRESSURE STATION          |  POLICE HEADQUARTERS  |
|  ELECTRICITY DISTRIBUTION SITE |  ARMY RESERVE CENTRE  |
|  RESERVOIR & WATER TREATMENT   |  POST SORTING OFFICE  |



**RESILIENT HIGHWAY NETWORK**