

Climate Change & Local Infrastructure

Perspective from the Profession:

Local Authority

10:10-10:20

Climate Change & Highways – The Impacts

- The climate is changing in the UK
- Despite mitigation efforts we are committed to a level of climate change
- Warmer summers, increased rainfall (intensity of rainfall & flooding), increase in storm surges and high winds

Vulnerabilities of local highways

Increasing temperature

*Melting surfaces &
deformation of asphalt*



More intense rainfall &
flooding

*Bridge scour & possible
collapse*



Vulnerabilities of local highways

Rising sea levels, coastal erosion & flooding

Permanent loss of infrastructure

High winds, storms & storm surges

Debris blown onto roads



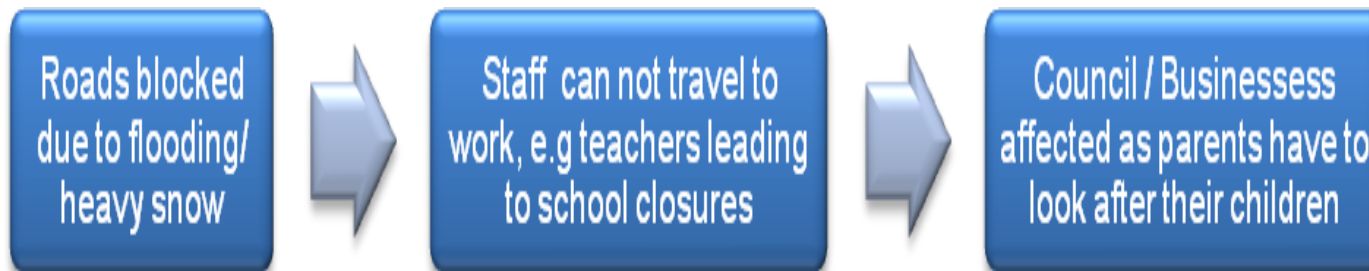
The Big Challenges

- Increasing frequency of severe weather events
- Austerity & budgets
- Place services competing for smaller slice of the pie with People Services



What to consider.....

- Identifying the risks– *example in guidance document from Cheshire West & Chester*
- Wider service delivery & interdependency



- Reputation
- Cost

Opportunities

- Make the link between people and place
- Resilient local highways network = resilience for business, schools, social care
- Public Health - link to health and wellbeing agenda