Reduction of Routes

New Deal

Resilience Since 2009

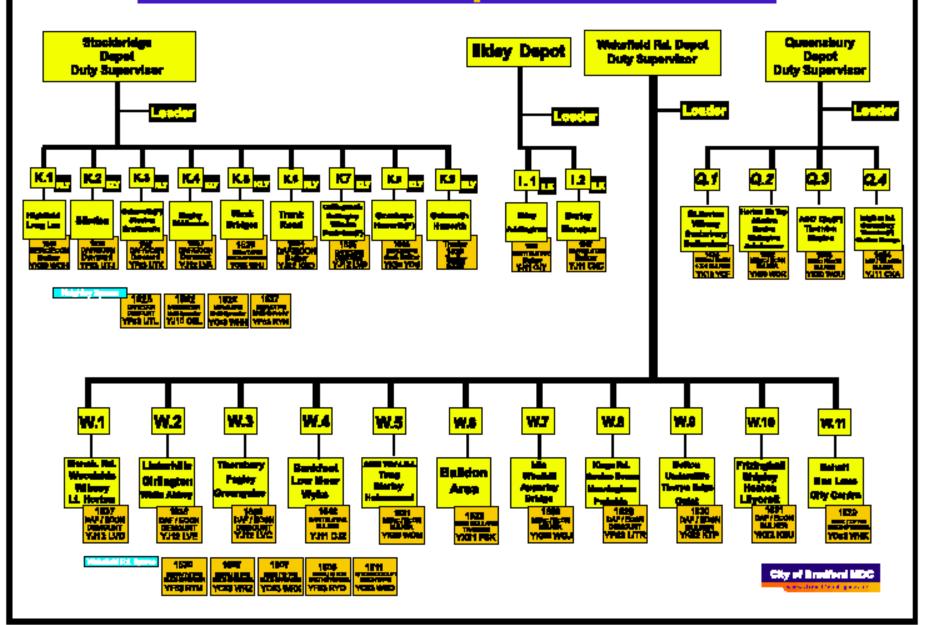
Severe Weather Team

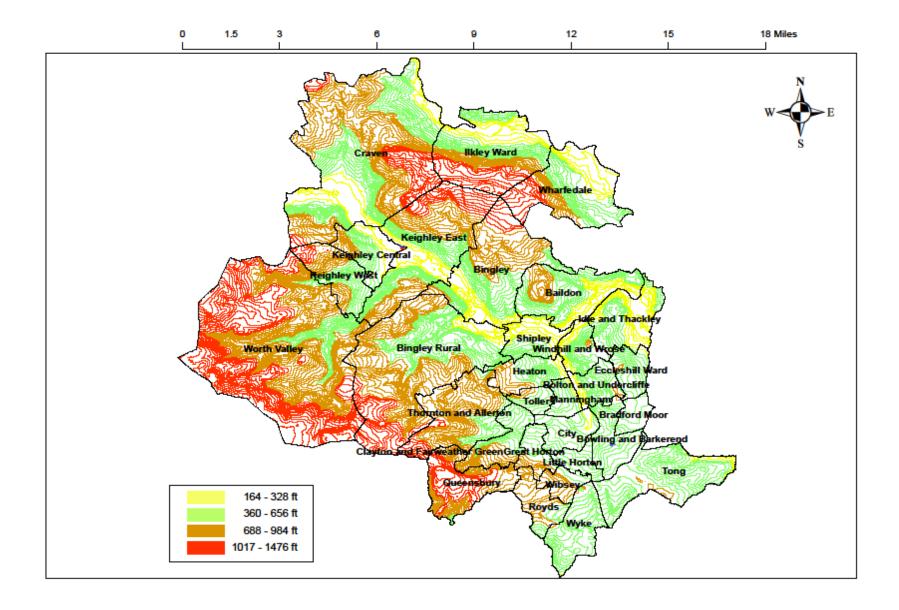
Dave Mazurke:

Group Manager - Highway Maintenance Bradford Metropolitan District Council.

- 26 Routes
- 7 Dedicated Footway Routes
- Since 2011 Continuous Cut-backs
- Total spend on Gritting £1.1 million
- £140k on Footway Gritting
- 712 Mile equates to approx 60% of Network
- Meetings in July 2015 to look at cuts in Winter maintenance Budget 2016-2017
- Reduce Network of Gritting to 50%
- 626 Miles

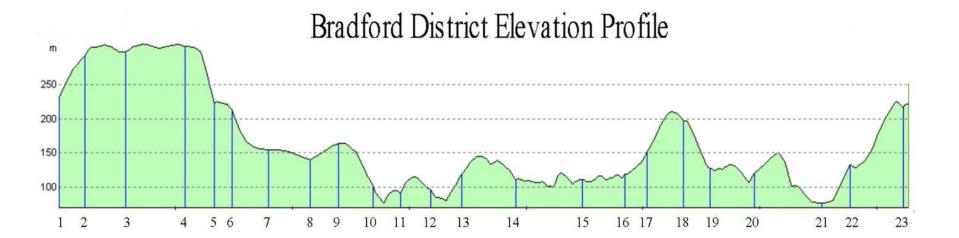
Winter Maintenance Operation 2014 - 2015





- 1 Haworth
- 2 Oxenhope
- 3 Denholme
- 4 Queensbury
- 5 Clayton
- 6 Halifax Road
- 7 Odsal
- 8 Bfd City Centre
- 9 Undercliffe
- 10 Greengates
- 11 Thackley
- 12 Shipley
- 13 Lower Baildon

- 14 Bingley
- 15 Keighley Centre
- 16 Steeton
- 17 Silsden
- 18 Silsden Moor
- 19 Addingham
- 20 Ilkley
- 21 Burley
- 22 Menston
- 23 Ilkley Moor



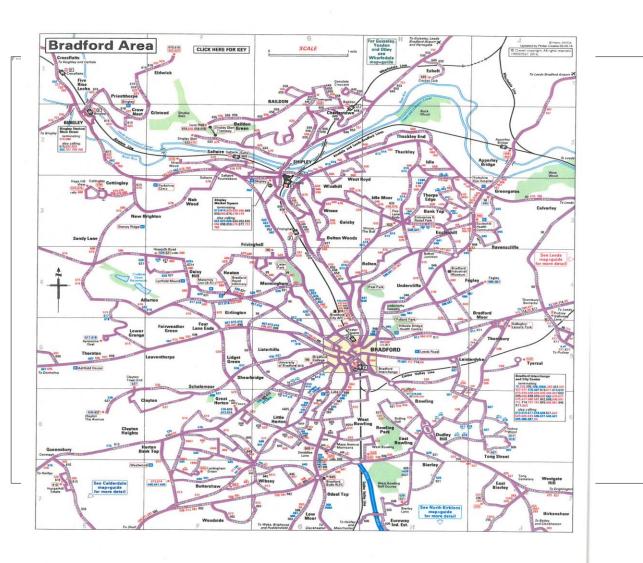
- Population of Bradford over 500,000
- Up to 50% live at 600 feet and above
- Saving of 3 Gritters, salt, fuel ,labour
- Saving of £71k
- Risk is high
- You put your name to it
- November the proposal went to Council and consultation
- Ratified at Full Council in February 2016 for approval
- Phone red-hot with Councillors

History of Gritting

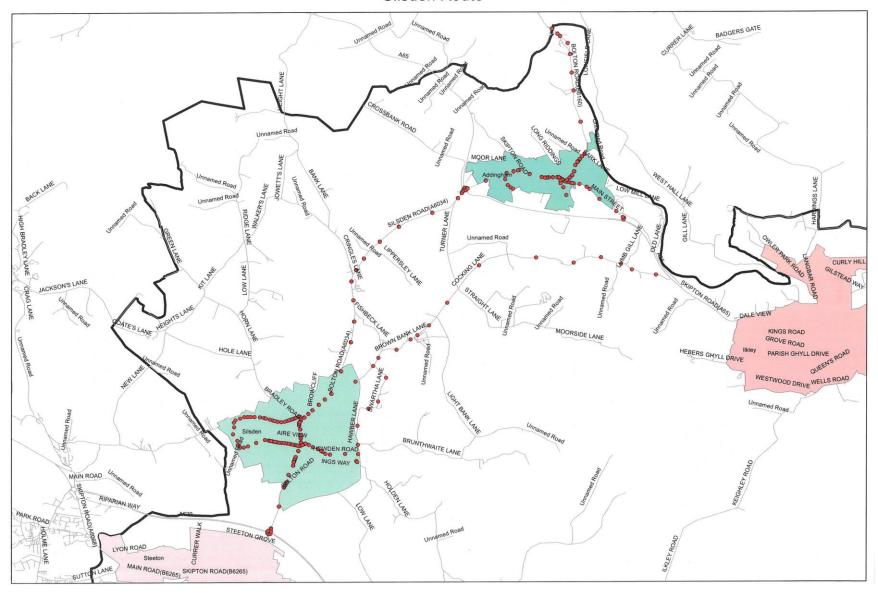
YEAR	NO. OF GRITTING RUNS	TOTAL OF SALT USED
2009- 2010	106	21,000 TONNES
2010-2011	85	13,300 TONNES
2011-2012	73	12,500 TONNES
2012-2013	117	22,000 TONNES
2013-2014	45	6,300 TONNES
2014-2015	68	14,800 TONNES
2015-2016	36	7,700 TONNES

- Ploughing Routes = 532
- 5 year period this worked
- Appendix H- Risk Management approach Removed some rural roads and flat roads
- Overlaid Bus routes
- Added Schools
- Steep hills
- Software used was RouteSmart



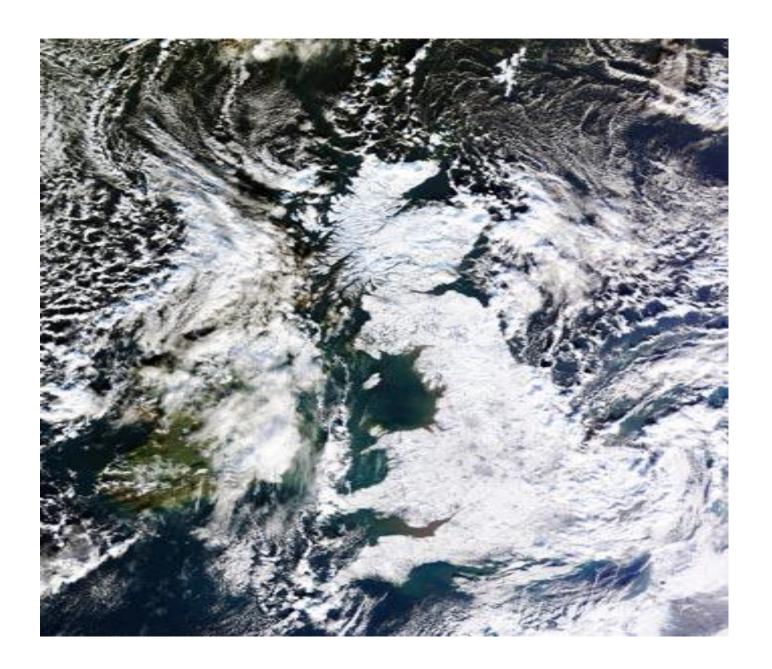


Silsden Route



New Deal

- Working with community Groups
- Several parish Councils will buy grit bin and we fill for £100
- Rural roads
- Homes for the Elderly
- Health centres
- Schools
- Grit Bin meets New Deal ????



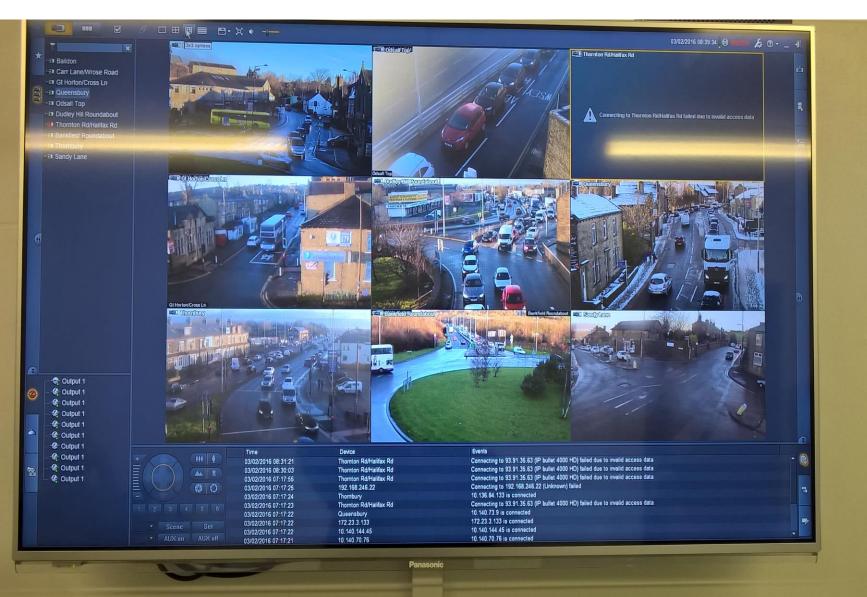


Resilience Since 2009

- Salt Stocks 26,000 tonnes
- New fleet investment
- Trackers
- Calibration
- Bradford Winter Service Plan
- Social media
- Maps
- Severe Weather Resilience contracts with Local Contractors
- West Yorkshire Collaboration
- West Yorkshire Winter Service Plan
- Improved Weather Information
- APSE Meetings Sharing Information, Innovations

- Quarmby Report 2010
- Appendix 'H' 2012
- Adverse Weather plans
- DFT- Transport Resilience Review- Extreme Weather Events
- Liquid Sprays
- Econ Multi -Spreaders
- Safecote
- Prewet Systems
- Slush Blades
- Domes
- Multi Hog Snow Blower
- Drivers Hours

- Road temperature Sensors
- Thermal mapping
- Bosch cameras on the Bradford Network
- Linked into UTC Wireless Comms Network
- Does not record for Data Protection Legislation.





Winter 15/16 Wet



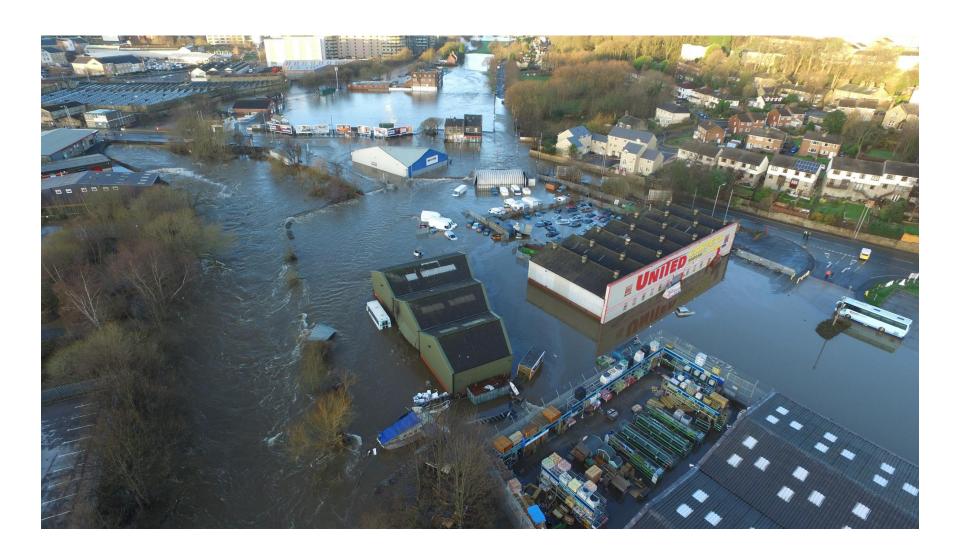
Severe Weather Teams

- Snow Wardens
- Snow Teams
- Boxing day Floods
- Only 24 hour operations teams available was the Winter Maintenance Teams
- 26 drivers
- Filling sandbags
- Rain and rain



- No sand as all Building Suppliers closed.
- We did have plenty of Salt!!!
- Emergency Planning had formed Silver Command at Bradford
- Received 1,000 sandbags from Nottingham
- Calls from Calderdale- Response Nil
- British Army called in from York
- 60 Men and 3,000 sandbags empty!!

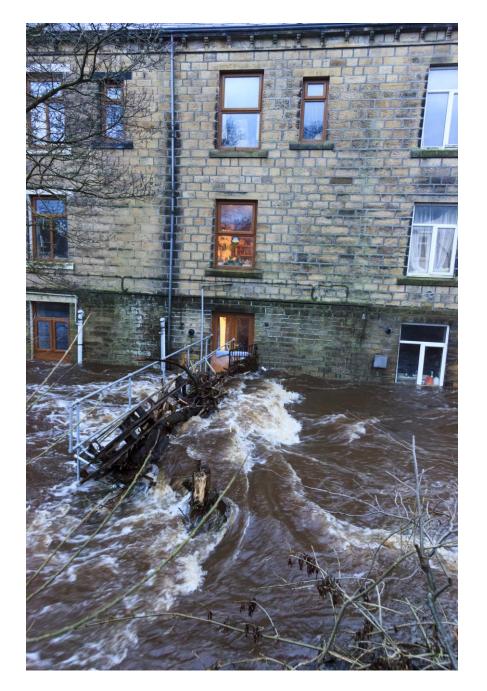














Florist Street - Stockbridge

