TRANSPORT - Fatal 6 - Mixer truck rollover - near miss

WHAT HAPPENED

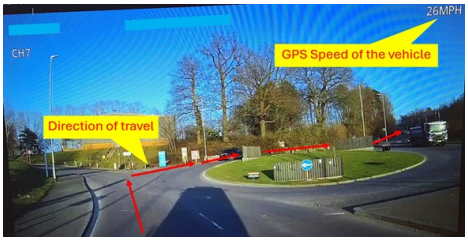
A driver entered a roundabout with a camber, loaded, and driving at approximately 26 mph.

A member of the public, who was behind the truck mixer, witnessed the vehicle beginning to rollover as the offside rear wheels left the ground.

The mixer was seconds from disaster and what could have been an accident injuring the driver, other road users and causing serious damage to the mixer.

Fortunately, the vehicle did not rollover, possibly because it was only part loaded rather than carrying an 8M³ full load. The vehicle exited the roundabout and continued its journey.

The image below shows the direction of travel and speed of the mixer.



LEARNING POINTS / ACTIONS TAKEN

- Consider the speed of your vehicle and drum when changing direction.
- Review the rollover prevention guidance from the MPA' Drivers Guide, this is shown below.
- Share and discuss best practice with other driver's & colleagues.

Truck Mixer on Highway Stability - MPA Driver's Guide

- I will - Adjust speed of mixer drum to reflect the slump of the load (stationary for slumps between 20 and 50mm unless on straight road sections).
- I will - Always wear your seatbelt, just in case you are involved in an overturn incident – it could save your life.
- I will not - Drive too fast going through bends
- I will not - Drive too fast on roundabouts or corners
- I will not - Hit or ride up kerbs
- I will not - Make sudden or harsh steering inputs
- I will not - Brake suddenly or harshly
- I will not - Ignore the camber of the road in relation to stability.

To reduce the risk of overturn:

SAFE SPEED - Always adopt a cautious speed, and go slow when approaching, entering, driving through or exiting a bend, roundabout or corner.

- An increase in speed around a corner as little as 3 miles per hour can increase the chance of an overturn by as much as 20%

SAFE LOAD - When transporting 'sticky' concrete, with a slump of 20-50mm, avoid rotating the drum during travel

Additional Information

RTE (Institute of Road Transport Engineers), is one of the most respected names in UK transport, and has always been recognised as an impartial voice of industry.

They have produced a guide on the prevention of rollovers with support of Aggregate Industries, CEMEX, Hanson and TJ TRansport.

Please follow this link to see RTE guide.

LOCATION:	**ON-HIGHWAY**	**ALERT STATUS:**	**Normal**
ACTIVITY:	**TRANSPORT & LOGISTICS / DELIVERY**	**DATE ISSUED:**	**31/03/2025 19:06:31**
SUB ACTIVITY:	**ROLLOVERS**	**INCIDENT No:**	**04865**