



Danger to Travelling Public – Increased risk of Strategic Road Network Accidents

WLD.022

Description of event

Construction Plant tracking mud and dirt from site onto adjacent highway network

Population at Risk

Construction and Maintenance Workers, and Members of Public (MoP).

Hazardous Activity and Residual Risk Description

- MoP and workers travelling on the affected road were exposed to the increased risk of skidding-related accidents, due to loss of traction.
- Collisions with other vehicles or safety barriers as a result of skidding has an assessed residual risk of an almost certain likelihood of potentially multiple fatalities.

Potential consequences of this event

- Fatalities occurring due to skidding accidents.
- Blocked drainage leading to flooding incident/damage to assets.
- Department for Transport reported that in 2022, a total of 137,013 people suffered an injury at all levels of severity on the highway.

Safety Hub Alert Database

- Sub-category 1 TP Vehicle with sub-category 2 Collision has 12 incidents with 1 fatality and 5 injuries.

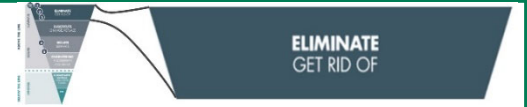


Wheel Wash Unit (WWU) for Vehicles leaving site.



Road network adjacent site exits showing extensive covering of tracked material across lanes.

Potential Mitigation Measures



Design

- Consider likely construction site egress routes during the design process.
- Ensure that wheel cleaning stations are specified and that there is adequate space provision at likely site exit points adjacent to the local highway network during any earth-moving operations.
- Designer to consider locations for temporary works including proximity to strategic road network.

Construction

- Traffic Management Plans to include measures for the suppression of dust/mud and the monitoring of this.
- Arrangements to be made to limit or remove debris from adjacent the highway network by the provision of Wheel Washes and or Road Sweepers.
- Hard surface haul roads to be used where other measures cannot be utilised.
- Vehicles to be inspected before leaving site as part of routine checks to eliminate likelihood of tracking mud/debris onto public highway.

Maintenance / Operations

- Similarly control egress arrangements if excavation is likely.

Further Guidance and Reading

- [B37 – Vehicle Roadworthiness](#)
- [B20 – Transport Logistic Management](#)
- [Section 148 and 149 of the Highways Act 1980](#)
- [Road Traffic Act 1988](#)



Please send ideas for Whole Life Design safety shares to wellbeing@nationalhighways.co.uk

LEAN

Alternative Materials

Alternative Plant

Reduced Labour

Improved end user benefits

Reduced Activity Duration

Reduced Defects

Reduced Reportable Accidents