

ADDING VALUE TO HIGH SPEED WEIGH-IN-MOTION – INTELLEAGENT ENFORCEMENT THE N3 SPEED OVER DISTANCE INTERGRATED WITH WEIGH- IN-MOTION

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ABSTRACT

Overloading and Speeding have been recognized to be both a safety as well as a cost concern. Through the continuous efforts undertaken by the KwaZulu-Natal Department of Transport, the heavy vehicle overloading problem in the province has improved considerably over past years. However, it is clearly evident that too many legal loads are being weighed unnecessarily and not enough use of available technology is being made. It is also evident that very limited weighing occurs between the hours of 06:00PM and 06h00AM. This is when most of the habitual overloading offenders traverse the corridor. Damage to the road network as a result of overloading leads to higher maintenance and repair costs and shortens the life of a road which in turn places an additional burden on the state as well as law-abiding road users who ultimately carry the costs of careless and inconsiderate overloading and speeding. If these problems are not properly controlled, this cost will continue to have a negative impact on the economy. Overloading coupled with high speeds are a safety hazard that leads to unnecessary loss of life.

This presentation focuses on Truck Traffic on the N3 corridor, the current measures taken for overloading control, weigh-in-motion technology (WIM), average speed over distance (ASD) and the advantages of the integration of WIM and ASD.