

A HYBRID WIM IMPLEMENTATION STRATEGY

H VAN LOO¹, R BRANKOVIĆ², N RADOVIĆ², G TSIBADZE³ and G JAPARDIZE³

¹Corner Stone Int. Switzerland; Email: hans.vanloo.int@gmail.com

²PERS, Serbia

³RD, Georgia

ABSTRACT

Road authorities often have limited or no reliable information on the actual traffic loading on their road network. When starting to implement WIM systems on a national road network – and assuming limited financial means – one of the key questions is: “Where to start? This presentation will describe a new approach for the implementation of Weigh-In-Motion (WIM) systems on a road network using a combination of different WIM technologies. First a series of short term (2 weeks) Bridge-WIM measurements will be used to identify actual overloading hot-spots on the road network prior to investing in the installation of more costly, permanent In-Road WIM systems. This hybrid approach is especially suited for countries where no or limited reliable information is available on the actual distribution of traffic (over-)loading. The approach has been used as part of the implementation strategy for WIM implementation in the republics of Serbia and Georgia in Europe.