Transport Research Forum 2015



Abstracts

11th August 2015 Colombo, Sri Lanka

Transportation Engineering Division Department of Civil Engineering University of Moratuwa



K.D. EBERT AND SONS HOLDINGS (PVT) LIMITED



&

ASSET HOLDINGS (PVT) LTD



Asset Holdings (Pvt) Limited

Silver Sponsors

Resources Development Consultants (Pvt) Ltd



Maga Engineering (Pvt) Ltd



Transport Research Forum 2015

Table of Contents

Session 1 : Highway Construction and Materials

	1.	Analysis of Air Void Variations in Hot Mix Asphalt Wearing Course Mixtures
		used in Sri Lankan Roads2
	2.	Effect of Fine Percentage on Properties of Sub base Material
	3.	Energy Optimization in Compaction of Unbound Material in Road Construction 6
	4.	Estimation of Penetration Requirements for Prime Coat
Session 2 : Highway Engineering & Road Safety		
	1.	Pedestrian Crash Analysis in Uva Province: Case Study at Wellawaya, Buttala
		and Monaragala Cities 10
	2.	Extent of concerns over Human Limitations in existing road design standards –
		A Literature review over the "Status of Adequacy" 12
	3.	Study on the effects of overloading on Sri Lankan Roads
	4.	Development of PCU Factors for Four lane Roads under Sri Lankan Context 16
	5.	Applicability of Rational Formula for Larger Size Catchments in Highway
		Drainage Design
	6.	Identification of Accident Black Spots on Roads in Jaffna District and
		Identification of Possible Root Causes
	7.	Identification of Accident Causing Factors through Detail Analysis of Road
		Accident Records in Sri Lanka
	8.	Study of Accidents at Mid-Block Pedestrian Crossings
	9.	Study on Work Zone Management in Highway Rehabilitation Projects in Urban
		Areas
Session 3 : Transport Systems and Traffic Manegement		
	1.	Modeling Transport and Land Use in Micro-Level (A Case Study of Colombo
		DS Division, Sri Lanka)
	2.	PARK & RIDE: Factors Affecting to the Public Acceptance
	3.	Explore the Possibilities of Reducing Train Delays between Colombo Fort and
		Maradana
	4.	Implementing Cycle Lane Facilities in Eastern Province in a Sustainable
		Manner
	5.	Development of a fares structure for the three wheelers
	6.	Evaluating the Impacts of Coordinated Traffic Signal Systems