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EMPLOYMENT RECORD :

Professor in Civil Engineering, University of Moratuwa, (May 2014- todate)
Visiting Professor, University of South Florida (December 2014 – May 2015)
Consultant, Asian Development Bank, (September 2013 – March 2013)
Director, Undergraduate Studies Division, (March 2011- June 2013)
Head, Transportation Engineering Division, (October 2011- June 2013)
Senior Lecturer Grade I (June 2011- May, 2014)
Visiting Lecturer, Department of Building Economics, University of Moratuwa (2010 -
todate)
Head, Transportation Engineering Division, (2007-2009)
Senior Lecturer Grade II (2005- 2011)
Graduate research Assistant, University of Florida, Gainesville, FL, USA (2001-2005)
Teaching Assistant, University of South Florida, Tampa, FL, USA (spring'2001)
Graduate Research Assistant, University of South Florida, Tampa, FL USA (1999- 2001)
Lecturer (probationary), (1997- 2005)
Visiting Lecturer, Department of Transport and Logistics, University of Moratuwa
Visiting Lecturer, Kotalawala Defence Academy
Visiting lecture, Engineering Faculty, University of Ruhuna

EDUCATION

Ph.D : University of Florida, Gainesville, USA 2005
MSCE : University of South Florida, Tampa, USA 2001
B.Sc. Eng.(Hons.) : University of Moratuwa, Sri Lanka 1997

ACADEMIC HONORS

- Award for appreciation of outstanding research performance in 2018 awarded by the University of Moratuwa
- Award for appreciation of outstanding research performance in 2016 and 2017 awarded by the University of Moratuwa
- Presidential award for scientific publication for year 2014 awarded at the president award ceremony in year 2016 by his Excellency President Maithreepala Sirisena
- Awards for Appreciation of Outstanding Research Performances with distinction in 2014 and 2015 awarded by the University of Moratuwa, Sri Lanka

- Awards for Appreciation of Outstanding Research Performances in 2011,2012, and 2013, awarded by the University of Moratuwa, Sri Lanka
- Selected as student of the year by American Society of Highway Engineers, National Engineers Week Banquet 2001, St. Petersburg, USA.
- Recipient of 2001 Georgia Brosch Memorial Transportation Scholarship for the Best Transportation Engineering Student of the year by Center for Urban Transportation Research (CUTR) at University of South Florida.
- Offered membership in the Engineering Honor Society, Tau Beta Pi
- Best Student in Structural and Building Engineering in 1997
- Recipient of national level scholarships for excellent academic performance in High School,
- First class honor degree in B.Sc. (Engineering),

MEMBERSHIP OF PROFESSIONAL SOCIETIES

Highway Engineering Society, Sri Lanka	Life Member
Institute of Engineers Sri Lanka (IESL)	Member
Florida Engineering Society (FES)	Member
Sri Lanka Association for the Advancement of Science	Life Member

OTHER POSITIONS HELD:

- President, Highway Engineering Society, Sri Lanka 2019/2020
- Chairman, working group of Sri Lanka Standard Specification for Performance graded and viscosity graded bitumen, 2019
- Conference Chair, Transportation Research Forum in 2018 at Department of Civil Engineering, University of Moratuwa, Sri Lanka
- Conference Chair, International conference of Highway Engineering and Transportation Systems 2017 at Jet-Wing Blue, Negambo, Colombo
- Conference Chair, Transportation Research Forum in 2017 at Jet-Wing Blue, Negambo Sri Lanka
- Conference Chair, Transportation Research Forum in 2016
- Co- Chair Transportation Research Forum in year 2010, 2011, 2012, 2013, 2014 and 2015
- Co-chair international Conference on Advances in Highway Engineering and Transportation Systems 2013 and 2015
- National data Coordinator on Road Safety, World Health Organization(WHO), 2014-2015
- Vice President, Highway engineering Society, 2013/ 2014, 2014-2015
- Member, National council for Road Safety, 2012, 2013
- Liaison Officer, Institute of Engineers Sri Lanka, University of Moratuwa, 2011- 2013
- Secretary, Highway Engineering Society, Sri Lanka,2010-2012
- Chairman, Working Group of Development of Sri Lankan Standard for Cationic Emulsified Asphalt , Sri Lanka Standards Institution -2009
- Committee Member, Road Maintenance Trust Fund(RMTF) Technical Advisory Committee(TAC) 2008-todate
- Member. Executive Committee, Chartered Institute of Transport and Logistics, Sri Lanka, 2007
- Coordinator, MSc Programs in Transportation and Highway and Traffic Engineering (2005-todate)

- Co-ordinator, Mentoring Program, Dept. of Civil Engineering University of Morauwa)-(2005-2011)
- Vice President, Florida Engineering Society-Student Chapter, University of South Florida, 2000
- Mentor-ship Chair, American Society of Civil Engineers-Student Chapter, University of South Florida, 2000

SHORT COURSES/ TRAINING PROGRAM CONDUCTED FOR INDUSTRY:

- Conduct a One day Road safety Awareness programme for School Childrens in Colombo District at Department of Civil Engineering, University of Moratuwa with sponsorship from WHO on 1/2/2020
- One-day workshop on New Developments in Road Construction Industry, Sep 7, 2019 at University of Moratuwa for industry participants.
- Conduct ROAD SAFETY AWARENESS PROGRAM for school children in Kalutara district on 06/04/2019 at the Department of Civil Engineering, University of Moratuwa with sponsorship from ADB
- Two Day Training Programme on Concrete and Asphalt Pavement Construction Technology, October 29-30, 2018 at UVA, Provincial Road Development Authority, Badulla for engineers and technical officers in Uva Province
- Pre conference workshop on SUPER-PAVE TECHNOLOGY AND OPEN GRADED FRICTION COURSE (OGFC); August 3, 2018, at Mount Lavinia Hotel, by Prof. Manjriker Gunarathne and Prof. Wasantha Mamppearachchi
- Seminar on “SuperPave”, A Performance based Pavement Design, organized by SULECO (PVT) LTD for Engineers in Road Sector on June 13, 2018 at Waters Edge, Battaramulla.
- One day Training programme on SUPPERPAVE for 40 engineers on October 13, 2017 at the University of Moratuwa organized by Highway Engineering Society Sri Lana,
- Pre-Conference workshop on Advances in Pavement Engineering on the 20th July 2017, at the Department of Civil Engineering University of Moratuwa as part of the International Conference on Advances in Highway Engineering & Transportation Systems and Transportation Research Forum 2017
- Two day Training programme on Mechanistic Pavement design for 25 engineers on March 13-14, 2017 sponsored by MinCad System Pvt Ltd , Australia
- Two day Training programme on Mechanistic Pavement design for 25 engineers on March 6-7, 2017 s
- Two day Training programme on Mechanistic Pavement design for 25 engineers on February 20-21, 2017 sponsored by MinCad System Pvt Ltd , Australia
- Three months short course on Highway Material Testing for 25 material engineers from July-October 2016
- Six months short course on Highway Construction Technology for Engineers and Technologists from January –July 2016
- *Resource Person* for ‘Workshop on Pavement Maintenance Management & Feasibility Studies for Road Improvement Projects’. KCI - KECC sponsored Capacity Building Program under the Expressway Connectivity Project for engineers in the Road Development Authority, 28th March 2016.

- Resource person for 'International Training Program on Highway and Traffic Engineering'. Organized in collaboration with Pavement Engineering Society, Singapore and Land Transport Authority, Singapore, March/April 2016
- *Conducted a training programme on 'Introduction to Pavement Management System'*. ADB sponsored Training Program for engineers in the Road Development Authority and Provincial Road Development Authorities (Northern and North Central), 2015.
- Three Months short course on Highway Material Testing for 20 material engineers from November 2014 - February 2014 at Department of Civil Engineering.
- Design and Construction of Concrete Block Pavement, for 45 participants at Department of Civil Engineering on October 14, 2014
- Three Months short course on Highway Material Testing for 25 material engineers from October 2014 – January 2014 at Department of Civil Engineering.
- Bituminous Materials and Best Practices in Asphalt Pavement Construction for 40 Engineers at Department of Civil Engineering on September, 2014
- Three Months short course on Highway Material Testing for 24 material engineers from February –May 2013 at Department of Civil Engineering.
- Concrete Block Paving technology for 175 participants from local government authorities, and Manufacturers at ICTAD organized by Industrial Development Board (IDB) on March 19, 2013
- Good Practices in Asphalt Pavement Construction for 120 engineers in 3 repeat classes with class size of 40 on April - May, 2012.
- Use of Modified bitumen for Road construction for 80 Engineers in 2 repeat classes in April – May 2012
- Three months short course on Highway Material Testing for 24 material engineers from November 2011- March 2012.
- Workshop on Asphalt Pavement Construction for Engineers and Technical officers in Central Province, Provincial Road development Authority, Kandy, October 10, 2011.
- Good Practices in Asphalt Pavement Construction for 180 engineers in 4 repeat classes with class size of 45 on March 21 & 22, March 28 & 29, April 4 & 5 and April 25 & 26, 2011.
- Highway Engineering Research Dissemination seminar for 100 engineers on January 22, 2011.
- Three months short course on Highway Material Testing for 20 material engineers from October- December 2010
- Workshop on Asphalt Pavement Construction for Uva Provincial Engineers and Technical officers, Provincial Road Development Authority on September 13-14, 2010
- Asphalt overlay Design for a group of 47 engineers on 21st and 23rd June 2010. Covered the both AASHTO and TRL overlay design procedures .
- Computer aided Geometric Design of Highways for the group of 20 Engineers on 26th & 27th April, 2010 & 3rd May, 2010 and a group of 13 Engineers on 5th, 6th & 10th May, 2010
- Concrete Pavement Design & Construction for the group of 38 Engineers on 6th & 7th October, 2009
- Concrete Technology for Low Volume Road Construction for the group 1 of 45 Engineers & Technical Officers –24th & 25th September, 2009 And a group of 40 Engineers & Technical Officers on 28th & 29th September, 2009

- Highway Material Testing for a group of 20 Engineers & Technical Officers on 22nd, 23rd, 29th & 30th June, 2009 and another group of 26 Engineers & Technical Officers on 7th, 8th, 14th & 15th July, 2009
- Best Practices in Asphalt pavement Construction for the group 1 of 40 Engineers & Engineering Technologies on 28th & 29th January, 2009 and a group of 40 Engineers & Engineering Technologies on 2nd & 3rd February, 2009
- Traffic Management Options for the group of 07 Engineers, Planners and Senior Police Officers on 5th & 6th August, 2008
- Computer aided Geometric Design of Highways for the group of 35 Engineers on 22nd, 23rd & 24th July, 2008
- Pavement Design & Good Practices for the group of 40 Engineers on 6th & 7th May, 2008 & a group of 48 Engineers on 25th & 26th June, 2008
- Concrete Pavement Design & Construction for a group of 35 Engineers on 6th & 7th May, 2008 and another group of 35 Engineers on 10th & 11th June, 2008
- Highway Material Testing for the group of seventeen Engineers & Technical Officers on 30th November, 2007

CONSULTANCY PROJECTS:

PROJECT	DURATION
Asphalt Paving Consultant, Bandaranayake Airport Development Project Phase 11 Stage 2- Package B, for Hazama Ando Corporation, Japan	On Progress
Highway Engineer, Feasibility study to reduce traffic delays in Kochchikade Town area for EML consultants	On progress
Highway Engineer, Feasibility Study for New Access Roads from Kottawa To Mahenwatta, Preliminary design of the proposed road includes review/design of proposed road alignment, for CECB	December 2018- May 2019
Highway Engineer, Estimating the Compaction Level of Underneath Layers of Embankments VEYANGODA - RUWANWELLA ROAD & BRIDGE (12+400 KM TO 32+200 KM) for Maga Engineering Pvt. Ltd. by UOM	October 2018- January 2019
Highway Engineer, Investigation on Irregularities in Asphalt Surfacing of Galauda-Kandaketiya -Karametiya Road (UBMC 656) for Komuthi HCM Joint Venture	January 2018- April 2018
Detailed Engineering Design of Kekirawa-Thalawa (B 213) Road, Kekirawa-Ganewalpola (B 212) Road and Ganewalpola - Dachchahalmillewa (B133) Road under Road Management Contracts work as a traffic Engineer for Summit Engineering Services And Consultants (Pvt) Ltd	October 2017 to February 2018
Investigations of failure sections of roads in central province constructed under I road project funded by Asian Development Bank for Walkers CML _MTD Construction Limited and Edward and Cristy Pvt Ltd.	October 2017- December 2017
Highway Engineer, Marine Drive Extension Feasibility Project for EML consultant	October 2017 - todate
Review of Internal roads and Paved area designs for Proposed LPG	June 2016 –July

storage & Terminal Facility at Hambantota designed by HQSM Engineering Pte Ltd, Singapore	2017
Team Leader, Economic Feasibility study of Central Expressway Project for Road Development Authority	Aug 2015- April 2016
Highway Engineer, EIA of the Proposed Central Expressway (CEP) Corridor for Sri Jayawardanapura University. .	Aug 2015 - 2016
Design of Ruwanpura Expressway for Road Development Authority Feasibility study and preliminary designs. Work as the highway design engineer and the team leader(for a two month period)	Sept, 2014- 2016
Promote research and development at RDA as an ADB consultant : Create 9 research groups in RDA and Draft proposals for Research Awards, Research Allowance, Revised Promotional Scheme and Administration setup for coordination of research Supervised 20 research projects	June - 2013 – March 2014
Calibration of HDM-4 for Provincial Road Development Authority of North Central Province through ADB	Jan –March 2013
Study on Impact on A2 road after Opening Southern Expressway for ADB	Oct. – Dec. 2013-
Team Leader, Development of Road Maintenance Management System (RMMS) using HDM-4 for North and North central Road development Authorities through ADB	June – Dec 2013
Audit on A1 Rectification Works from 40+500km to 114+800 km for RDA through World Bank	May – June 2013
Northern Expressway Feasibility Study- Travel time Surveys, OD surveys and MCC Surveys for SMEC International Pvt Ltd	March- May 2013
Evaluation of Binder properties of old asphalt concrete of STDP project – southern section	Feb - March 2013
Northern Expressway Feasibility Study for SMEC International Pvt Ltd	Feb 2013- todate
Road Safety Audit (Phase 1-Design)of A2 Maliban Junction (13+350km) to Nalloruwa Junction (30+000km))and A3 Peliyagoda Bridge (2+000km) to Ja-Ela (20+000km)) for Road Development Authority	Oct- Dec 2012
Investigation of distresses in Trincomalee- Batticaloa Road (A15), AFD Funded Trincomalee Integrated Infrastructure Project, for ACCESS Engineering	May – July 2012
Evaluate the quality of 7 DBST road constructed in Dickwella Pradesiya Saba through ADB grant, for Dickwella Pradesiya Saba	May – June 2012
Quality control Plan for Polymer modified binder PG 76-22 application for Mattala Airport, China Harbour Company	October 2011
Road safety Audit (design stage) of Kantale- Trincomalee Road for RDA	January - April 2011
Rectification of Surface irregularities of newly constructed asphalt layer of Southern Highway, Kottawa- Dodangoda Section for China Harbour Company	Feb - May 2011
Investigation of Cracks in Binder Layer of Padeniya- Anuradhapura Road, for	Feb- July 2011

RDA	
Investigation of the failure of rehabilitated road A 14, Madawachchiya- NCP Boundary Road during the project liability period for World Bank	April 2010- Jan 2011
Investigation of the failure of new overlay of A2, Colombo- Kandy Road during the project liability period for World Bank	April - Dec 2010
Investigation of distresses in Taxi way at Bandaranayake International Airport for Taisei- Mitsubishi Joint Venture, Japan	April – Aug 2010
Investigation of Feasibility of Probase Technology for Road Construction for Ministry of Food, Co-operate and Provincial Roads, Southern Province	Feb 2009 –Sep 2010
Highway Engineer, EIA & Economic Feasibility study of Kelani valley Railway Extension project -Ministry of Transport	July 2008 todate
Highway Engineer, EIA & Economic Feasibility study of Horana-Panadura Railway Extension project - Ministry of Transport	July 2008 to 2011
Highway Engineer, Hikkaduwa Bypass road Ministry of Tourism	July 2008-Dec 2008
Research and Quality Control Programme for Construction Waste Recycling Project –COWAM, EU Funded Project	Oct. 2007 Sep. 2009
Geometric and Pavement Design of Sri Lanka Air Force Airport at Anuradapura for Maga Neguma Road Construction Equipment Company (Pvt) Ltd	July,2007- October 2007
Environment Impact Assessment and Economic Feasibility Study for Matara- Kataragama Railway Line for Ministry of New Rail Road Development	Jan, 2007- Jan. 2008
Economic Feasibility of Extension to Southern Highway Extension for Road Development Authority	Jan.2007- Jan. 2008
Developed a Dynamic Weigh Bridge, Funded by Sri Lanka Inventors Commission.	July, 2006-Dec. 2007
Feasibility Study of Horana Export Processing Zone (HEPZ) For Board of Investment	Aug.,2006-Jan. 2007
Investigation of Feasibility of Asbestos Waste as a Road Construction Material for Central Environmental Authority	June,2005-
Colombo-Kandy Expressway (Alternative traces to be considered for the deviation at Kadawata) for Road Development Authority	May,2005- Jan 2006
Evaluation of Early Strength Requirement of Concrete for Slab Replacement using Accelerated Pavement Testing facility for FDOT	Aug.,2003 Aug., 2004
Evaluation of Performance of Ultra-thin whitetopping by means of Heavy vehicle simulator for Florida roadways for FDOT (phase i and ii)	Aug.,2001- Aug., 2003
Forensic Investigation of the Whitetopping Pavement Ellaville Weight Station on I-10 in North Florida	Aug.,2001 Aug., 2002
Intercity Traffic Model For Sri Lankan Roads	Aug.,1998 Aug., 1999
Compliance with Traffic Rules Survey & Recommendations for Improvement, for the Ministry of Transport & Highways, Sri Lanka.	Oct.,1997- Dec., 1997

PUBLICATIONS (FULL PAPER) IN REFERRED JOURNALS & PROCEEDINGS OF CONFERENCES

1. Bamunuarachchia, B.P.D.P.P. and Mampearachchi, W.K. Investigation of Durability of Open Graded Friction Courses, *Transportation Research Procedia*, Volume 48, 2020, Pages 3696-3705
2. Perera, I. M. H., Athapaththu, C. J. and Mampearachchi, W.K. Design of a porous concrete mixture for drainage coverslab in pedestrian walkways, *Transportation Research Procedia*, Volume 48, 2020, Pages 3678-3695
3. Hettiarachchi, C., Mampearachchi, W.K. Effect of surface texture, size ratio and large particle volume fraction on packing density of binary spherical mixtures. *Granular Matter* 22, 8 (2020)
4. Bandara M.M.H.W., and W.K.Mampearachchi, Mitigate the curing problems of concrete pavements by using heated non-expansive clay particles as internal curing agent, *Road Materials and Pavement Design* 2019
5. Bandara M.M.H.W., W.K.Mampearachchi and T.Anojan, Enhance the properties of concrete using pre-developed burnt clay chips as internally curing concrete aggregate, *Case studies in Construction Materials*, ELESVIER Publication open access available online 28 september, 2019
6. Buddhi Herath , B.A.D.J.C.K. Basnayake , Dimuthu Wijethunge , Y.W.R. Amarasinghe , and W.K. Mampearachchi, Design and Development of a Portable Wireless Axle Load Measuring System for Preventing Road Damages, *Proceedings of the 6th International Conference on Sustainable Design and Manufacturing (KES-SDM 19)*, 4-5 July 2019, Organized by KES International, Budapes, Hungaria,
7. Buddhi Herath, B. A. D. J. C. K. Basnayake, Dimuthu Wijethunge, Y. W. R. Amarasinghe and W. K. Mampearachchi, Design and Development of a Portable Wireless Axle Load Measuring System for Preventing Road Damages. In Peter Ball Luisa Huaccho Huatuco Robert J. Howlett Rossi Setchi (Editors), *Sustainable Design and Manufacturing 2019, Smart Innovation, Systems and Technologies*, Volume 155, PP 553-563, Springer Publications Singapore, 2019.

8. Osanda Mutuhewa, and Mampearachchi, W.K., Investigation on the relationship between the surface macro-texture and the application rate of tack coat, MERCON 2019, University of Moratuwa, 4-5 July 2019
9. , Nanayakkara H. S. C. Rajapakshe, P. P. P. K. and Mampearachchi, W.K., *Minimize Nearby Structure Damage Issues in Road Construction* MERCON 2019, University of Moratuwa, 4-5 July 2019
10. Ishara Pradeep, and Mampearachchi, W.K., *Determination of Optimum Design Parameters for Semi Rigid Pavement* MERCON 2019, University of Moratuwa, 4-5 July 2019
11. Mampearachchi, W.K., Masakorala S. R. and Umasangar K., Aggregate Interlocking of Open-Graded Friction Courses With Compaction Effort, Journal of National Science Foundation, March 2019
12. I.M.H.Perera^a, C.J.Athapaththu^a, Prof. W.K.Mampearachchi^a Design of a porous concrete mixture for drainage coverslab in pedestrian walkways, , world conference on Transport Research-WCTR 2019, Mumbai India May 26-31
13. Bamunuarachchi B.P.D.P.P and, W.K. Mampearachchi Investigation of Durability of Open Graded Friction Courses, world conference on Transport Research-WCTR 2019, Mumbai India May 26-31.
14. Kajugaran, S. and W.K.Mampearachchi, Laboratory Investigation of Hot Mix Asphalt Design using Reclaimed Asphalt Pavement, IESL Annual Transactions, 2018
15. Dakshitha Wijeratne and W.K. Mampearachchi, Assessment of Operating Speeds of Rehabilitated Rural Roads with Asphalt Surfacing, IESL annual Transactions, 2018
16. Shashibhushan Girimath, Dharamveer Singh; Evangelos Manthos; W.K. Mampearachchi "Effects of Reclaimed Asphalt Binder on Rheological Properties and Surface Free Energy of Crumb Rubber Modified Binder", Innovative Infrastructure Solutions, (Manuscript accepted) 2018
17. W. K. Mampearachchi 1, S. R. Masakorala 2 analytical model for passing sight distance design criteria of two-lane roads in sri lanka, *Transport and Telecommunication, 2018, volume 19, no. 1, 10–20*

18. Hettiarachchi, H.A.C.K. and Mampearachchi, W. K., Effect of vibration frequency, size ratio and large particle volume fraction on packing density of binary spherical mixtures, powder Technology , May 2018
19. Dhanushika Gunatilake & W. K. Mampearachchi, Finite element modelling approach to determine optimum dimensions for interlocking concrete blocks used for road paving, Road Materail and Pavement design. Pages 1-17 | Received 22 Jan 2017, Accepted 05 Sep 2017, Published online: 11 Oct 2017
20. Hettiarachchi, H.A.C.K. and Mampearachchi, W. K., Validity of aggregate packing models in mixture design of interlocking concrete block pavers (ICBP), Road Material and Pavement design, accepted 15 Oct, 2017
21. Hettiarachchi, H.A.C. K. & Mampearachchi, W. K. 2017. Effect of aggregate surface texture, shape and vibration frequency on packing density of binary aggregate mixtures.. Negombo, International Conference on Advancement of highway engineering and transport systems.
22. Hettiarachchi, H.A.C.K. & Mampearachchi, W.K. 2017. Optimization of Aggregates for Sustainable Low Cement Concrete for Interlocking Concrete Block Pavers. Hong Kong, World Sustainable Built Environment Conference. ISBN 978-988-77943-0-1
23. Bandara M.M.H.W., and Mampearachchi W.K._Develop expanded clay as internally cured Concrete Aggregate, 10th International Conference on Road and Airfield Pavement Technology, Polytechnic University, Hong Kong, August 8-10, 2017
24. W.W. Bandara, W.K. Mampearachchi, K.H.S.M. Sampath, Cement Stabilized Soil as a Road Base Material for use in Sri Lankan Roads Journal Of Engineer, Institute of Engineers Sri Lanka, January 2017
25. Bandara M.M.H.W., and Mampearachchi W.K. Development of Expanded Clay as an Internally Curing Concrete Aggregate, Proceedings of Civil Engineering Symposium, Department of Civil Engineering, University of Moratuwa, December 2016
26. Umasangar K. and W.K. Mampearachchi, Study of Permeability Characteristics of Open Graded Friction Courses Used in Wearing Courses, Proceedings of Civil Engineering Symposium, Department of Civil Engineering, University of Moratuwa, December 2016
27. Inan, I. I. I., Mampearachchi W. K. and Udayanga, P.A.S. Effect of Fine Percentage on the Properties of Sub-base Material, Journal Of Engineer, Institute of Engineers Sri Lanka, October 2016
28. Ekanayake E. M. C. B. and Mampearachchi W. K. Review of Roundabout Design Standards and the Development of a Roundabout Design Guideline for Sri Lanka, Journal Of Engineer, Institute of Engineers Sri Lanka, October 2016
29. H. A. C. K. Hettiarachchi & W. K. Mampearachchi New block design and laying parameters for interlocking concrete block pavements to improve human thermal comfort levels in urban spaces, International Journal of Sustainable Building Technology and Urban Development, May 2016 DOI: 10.1080/2093761X.2016.1172278
30. W. K. Mampearachchi and Herath, H. M. S.M., Engineering Properties of Cement and Lime Stablized Silty Sand in Pavement Subbases, proceedings of the international conference on Geotechnical Engineering, Geotechnics for sustainable Development, Sri Lankan Geotechnical Society, August 10-11, 2015, Colombo
31. Hettiarachchi H. A.C.K., and Mampearachchi, W.K. Improved Concrete Mix Design for ICBP using Packing Density Method, Proceedings of the international Conference on Advances in Highway Engineering and Transportation Systems, August 10, 2015 Mount Lavinia Hotel, Colombo, Sri Lanka

32. Jayarathna, K.A.R. N., and Mampearachchi, W.K. Investigation of Road Deterioration using a Mechanistic Tool Case Study on A10 Road., Proceedings of the international Conference on Advances in Highway Engineering and Transportation Systems, August 10, 2015 Mount Lavinia Hotel, Colombo, Sri Lanka
33. Gunathilake, Dhanushika, and W.K. Mampearachchi Development of Finite Element Model for Concrete Block Paving, Proceedings of the 9th Asia Pasific Conference on Transportation & the Environment, August 6-8, 2014, Colombo Sri Lanka
34. Salawavidana, S. A. S.T., Liyanarachchi, L. A. T. U., Senarathna, R. M. S. K. ,Mampearachchi, W. K. and Bandara, J. M. S. J. Guideline for the Implementation of Bicycle Lanes on Sri Lankan Highways, Proceedings of the 9th Asia Pacific Conference on Transportation & the Environment, August 6-8, 2014, Colombo Sri Lanka
35. Jayarathna, R., and W.K. Mampearachchi Failure Analysis of a Semi Structural Pavement Using a Mechanistic Tool – Case Study for a Provincial Road, Proceedings of the 9th Asia Pacific Conference on Transportation & the Environment, August 6-8, 2014, Colombo Sri Lanka
36. Situnamaluwa, H.* and Mampearachchi W. K. Development of a Polymer Modified Bitumen Specification Based on Empirical Tests – Case Study for Sri Lanka, Road Materials and Pavement Design Volume 15, Issue 3, July 2014, pages 712-720
37. WK Mampearachchi, A Senadeera, Determination of the Most Effective Cement Concrete Block Laying Pattern and Shape for Road Pavement Based on Field Performance, Journal of Materials in Civil Engineering, Vol 26 (2) 226-232, January 2014
38. W.K. Mampearachchi, Karunaratne, A.M.A.N. Non Dowel Joint Spacing for Low Volume roads in Tropical countries, International Journal of Pavement Research and Technology, Vol. 7, No. 1 January 2014
39. W. K. Mampearachchi & M. M. D. V. Gunatilake, A Sustainable Road Construction Material for Low Volume Roads, FARU International Research Symposium 2013 University of Moratuwa,, Dec 10- 14, 2013, Hambantota, Sri Lanka
40. W.K. Mampearachchi^{1*}, J.V. Kosgolla and M. Tia, Feasibility of whitetopping pavements for resurfacing thin asphalt, pavements, journal of National Science Foundation, **40**(4): 293-302, December 2012
41. W.K. Mampearachchi *, G.S. Mihirani, B.W.P. Binduhewa and G.D.D. Lalithya, Review of asphalt binder grading systems for hot mix asphalt pavements in Sri Lanka, journal of National Science Foundation, **40**(4): 311-320, December 2012
42. W.K. Mampearachchi, Fernando P. R. D., Evaluate the Effect of Superpave Aggregate Gradations on Marshall Mix Design Parameters of Wearing Course, the Journal of National Science Foundation of Sri Lanka, No3, September 2012
43. W. K. Mampearachchi, Suwetha B. and Tharaka, D.G.S., Influence of Plasticity Index on Sub-base Material: Experimental Review, Journal of Engineer , Annual Transaction, Volume 1, Part B, October, 2012
44. Mampearachchi W.K., Jayasuriya W.W.C, Senaratne S.A.M.A.N.I., Sumanathissa R.P.P., Applicability of HCM 2000 to Determine the Level of Service in Urban Arterial Roads, Sri Lanka, Civil Engineering Research for Industry Symposium 2012,
45. Mampearachchi W.K., Dahiyagamuwa T., and Marasinghe L., . Failure Analysis of a DBST Road Using Mechanistic-Empirical Method Civil Engineering Research for Industry Symposium 2012

46. Mampearachchi W. K., " Towards a Proper Road Classification System for Economic Development of Sri Lanka, Journal of Economic Review, People' Bank, April/May 2012
47. W. K. Mampearachchi, Pilanavithana, U. S., Perera, P. S., and Appuhami, R. S. B. R, Economical Concrete Mix Design for Interlocking Concrete Paving Blocks for Sri Lanka, Journal Of Engineer, Institute of Engineers Sri Lanka, October 2011
48. W. K. Mampearachchi, and Priyantha, N. A. A. "Development of Guidelines for Low Volume Concrete Road Construction in Sri Lanka" Journal Of Engineer, Institute of Engineers Sri Lanka, October 2011
49. Karunaratne, A.M.A.N., Mampearachchi, W. K. and Nanayakkara, S. M. A., Experimental investigation of LTE in relation to crack width of non-dowelled joints in concrete, Journal of Engineer, Annual Transaction, Volume 1, Part B, October, 2011.
50. W. K. Mampearachchi, J. V. Kosgolla And S. M. A. Nanayakkara, Development Of An Economical High Early Strength Concrete Mix For Paving Of Provincial Roads In Sri Lanka, Journal Of Engineer, Institute of Engineers Sri Lanka, April 2011
51. W. K. Mampearachchi, and Gunasinghe, P.H. G., Effectiveness of Traffic Forecasting on Pavement Designs for Sri Lankans Roads, Journal Of Engineer, Institute of Engineers Sri Lanka, April 2011
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