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Dr. Farzana Rahman

Professor (On Leave)

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Profile

Dr. Farzana Rahman Professor Department of Civil Engineering Phone: 01732079481 e-mail: farzana@ce.uiu.ac.bd; farzanar1975@gmail.com Web: https://ce.uiu.ac.bd/profiles/rahman-farzana-phd/

Education

Doctor of Philosophy in Civil Engineering Department of Civil Engineering, Saitama University, Japan. *Dissertation Title* : â€œDevelopment of Traffic Calming Decision Making Processâ€. September 2009. **Master of Engineering in Civil Engineering.** Department of Civil Engineering, Saitama University, Japan. *Dissertation Title* : â€œComparative Study of Traffic Calming Design and Planning Processâ€. March 2005. **Bachelor of Science in Civil Engineering.** Department of Civil Engineering, Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh. September 1998.

Research Interest

My research aims have been focused within four main areas: 1) to improve road safety analysis and evaluation techniques, 2) to develop, implement and evaluate traffic calming decision making process and its prioritization system, 3) Statistical modeling to improve the level of knowledge associated with transportation planning implications and 4) to evaluate service quality of public transport. My research employs statistical methods in the residential street safety analysis, particularly in modeling the relationship between safety and street characteristics. Specific aspects of my research include: formal procedures in deciding when and which improvements such as traffic calming devices are required; improvement of public transport service quality; tools for designing safety for new roads; pedestrian safety facilities; parking management for increasing mobility on arterial roads; and tools for traffic management improvements. My current research is firstly on implementation of bus priority lanes in the context of heterogeneous traffic in developing cities and secondly assessment of ride sharing service based on customers opinion in Dhaka city. My research will also continue to improve the knowledge base for using these tools by developing more practical procedures for estimating the outcomes of decisions. My research also focuses on the construction management system in Bangladesh, particularly safety practices in construction sites at Dhaka city using statistical models.

Experience

Professional Experience ***Professor,*** Department of Civil Engineering, United International University (UIU), Bangladesh, July 20th ~ till date ***Professor*** , Department of Civil Engineering, University of Asia Pacific, April 2017- July 19th 2022 ***Professor and Head of the Department*** of Civil Engineering, University of Asia Pacific, from May 2019 to May 2021 ***Associate Professor*** , Department of Civil Engineering, University of Asia Pacific, May 2014- April 2017 ***Assistant Professor*****,** Department of Civil Engineering, University of Asia Pacific, Department of Civil Engineering, October 2013- April 2014 ***Coordinator of Master of Science in Civil Engineering Program*** , Worked as the Coordinator of Master of Science in Civil Engineering Program, University of Asia Pacific, from May 2014 to April 2019. ***Assistant Professor*** , Department of Civil Engineering, Presidency University, January 2010 â€“ December 2013 ***Researcher*****,** Department of Civil and Environmental Engineering, Design and Planning of Traffic Engineering Laboratory, Saitama University, Japan, April â€“ June 2005 ***Civil Engineer*** , Institute of Water Management, Dhaka, March â€“ November 1999 **Professional Involvement** ***Expert member*** of the selection Board for appointment of Lecturers, Assistant professors, Associate Professors and Professors (Engineering) for the Institute of Accident Research Institute (ARI) of Bangladesh University of Engineering and Technology, BUET. ***Member of Evaluation Team (ET)*** for Accreditation of B.Sc. in Civil Engineering (CE) Program On behalf of Board of Accreditation for Engineering and Technical Education (BAETE), Bangladesh ***Admission test Committee Coordinator*** of Spring 2016 (1st and 2nd), Spring 2015 (1st and 2nd), Fall 2015 (1st and 2nd), Spring 2014 (1st), Fall 2014 (1st and 2nd), Fall 2013 (1st and 2nd), University of Asia Pacific ***Supervised Graduate and undergraduate theses*** in UAP and MIST. Supervised 18 Masters Theses (14 in UAP and 4 in Military Institute of Science and Technology, MIST) and 51 Bachelor theses (Both in UAP and in Military Institute of Science and Technology, MIST). ***Involved in Student Co-Curricular and Extra â€“Curricular Activities***. Worked for Debate Club for Inter University Debate Competition in UAP. Advisor of the Transportation Engineering club from 2014 May to September 2016. ***Appointed for designing the safety features of UAP Basement Parking*** for motorist, cyclists, and pedestrians. ***Teaching Graduate and post graduate theoretical and sessional Courses*** on Transportation and basic Civil Engineering.

Course

Undergraduate Courses 1. Transportation Engineering : Transport and Traffic Design 2. Transportation Planning and Management 3. Highway Materials and Traffic Engineering Laboratory 4. Introduction to Civil Engineering 5. Details of Construction 6. Surveying 7. Civil Engineering Drawing

Graduate Courses 1. Transportation Planning, 2. Traffic Engineering 3. Transport Modeling

Supervisions

Undergraduate Thesis Supervision 1. Assessment of Motorcycle Ride-Hailing Services Using Advanced Statistical Modelling. 2. Motorcycle E-Ride Hailing Services In Bangladesh By Analyzing Structural Equation Modelling Approach. 3. Modeling Impact of Covid-19 On Paratransit (Motorcycle) Userâ€™s In Dhaka City.

1. Modeling the Travel Behavior of Public Bus Users in Dhaka City During Covid-19.
2. An Econometric Approach to Analyze Impact of COVID-19 on Public Transportation Ridership: A Case Study of Dhaka, Bangladesh.
3. Impact of COVID-19 on public transport (Bus) and assessment of bus operatorsâ€™ behavior towards health awareness in the era of COVID-19.
4. Impact of Covid-19 on Motorcycle Ride Sharing and Assessment of Driverâ€™s Behavior Towards Heath Awareness in the Era Of Covid-19.
5. Evaluation of Customer Satisfaction on Domestic Airlines in Bangladesh.
6. Service Quality Assessment of Paratransit Mode Based On Usersâ€™ Perception In Dhaka City: A Structural Equation Approach.
7. Exploring low-income womenâ€™s perception about paratransit service quality of Dhaka city by Choice Model.
8. Enhancing the Efficiency of Road Network by Optimization of Signal Timing.
9. The Role of Demographic Characteristics for Customer Satisfaction and Service Quality of Public Transportation.
10. Assessing Paratransit Service Quality and Usersâ€™ Satisfaction by Using Binary Logistic Regression (BLR) Model.
11. Predicting and Analyzing Bus Service Quality in Dhaka City.
12. Exploring usersâ€™ satisfaction on paratransit: A case study in Dhaka city by Structural Equation Model (SEM).
13. Assessment of future development of car sharing in Dhaka city.
14. Trip Chaining and Mode Choice Model for Work Trips: A Structural Equation Model (SEM) approach.
15. Assessing Bus Service Quality based on Public Perception: A case study comparing Dhaka and Chittagong city by Structure Equation Model (SEM).
16. Exploring Public Perception Of Rail Service Of Bangladesh By Using Ordered Probit Model (OPM).
17. An examination of the perceived service Quality of Para transit: an exploratory study of Dhaka City.
18. Choice of Travel Mode for Work Trips: Some Features for Dhaka.
19. Calibration and Validation of Vissim Model For Non â€“ Lane Based Heterogeneous Traffic â€“ A Case Study for Dhaka City.

20. Assessment of Service Quality of Rideshare in Dhaka City.
21. Attributes of Inherent Deficiencies in Bus Service Quality of Dhaka City by Multinomial Logit Model.
22. Identification of Hazardous Road Locations or Black Spots on Dhaka-Barisal National Highway.\
23. School Childs Crossing Behavior Near School Areas.
24. A Typological Analysis On The Strategies Of Bus Priority Lanes
25. Users Mode Change Behavior in Response to On-Street Parking Pricing.
26. Logit Model to Evaluate Construction Site Safety
27. Road Users opinion about the Construction Materials Storage on Road Side
28. Public Opinion Survey about the Construction Materials Storage on Road Side
29. Investigation on Existing Pedestrian Safety Facilities in Dhaka City based on Pedestriansâ€™ Observation
30. Usersâ€™ Opinion Assessing the Attributes of Bus Service Quality in Dhaka City.
31. Investigating Existing Paratransit Condition in Dhaka City Based on Customer Satisfaction by Discrete Choice Model.
32. Child Pedestrian Safety in and Around the School Premises in Major Arterial Streets in Dhaka City
33. Comparative study on safety during civil Engineering construction in Bangladesh
34. Typological Analysis of Safety practices in Construction Sites of Dhaka city
35. Binary logistic Regression Model to Evaluate the Construction Site Safety in Dhaka City
36. Roadside Friction due to Construction Materials Storage on Roadside
37. Comparative Study of construction safety facilities of various projects within Dhaka City
38. Road Users Perception of Construction Materials Storage on or near the side of a road.
39. Major Environmental Impacts during Construction Projects of Dhaka City
40. Evaluation of the Construction Site Safety in Dhaka City
41. Problems Associated with Uncontrolled Construction Materials Storage on The Road Side
42. Analyzing Existing Bus Service Condition in Dhaka City Based on Customer Satisfaction by Logistic Regression Model
43. Roadside Hazards Due to Illegal Dumping of Construction Materials.
44. Discrete Choice Model to Evaluate Road Userâ€™s Perception About the Sidewalk Condition of Dhaka City.
45. Road Usersâ€™ Observation about the suitability of placement of speed s in Dhaka city
46. Factors Affecting the Safety in Construction Sites of Bangladesh
47. Possible Measures to Reduce Accidents in Construction sites- A Comparative Study
48. A Survey of Construction Site Safety in Dhaka City
49. A Study on Real-life practices of Construction Safety
50. Pedestriansâ€™ Perception of Safety in Major Arterial Streets in Dhaka City.

Name of graduate theses supervised: 1. Col Mohammed Anwar Ul Islam (2021-2022). Exploration of Prospects and Challenges of Ridesharing in Developing Countries: A Case Study in Dhaka City. MIST.

1. Tonmoy Paul Joyant (2020-2021). Estimating Usersâ€™ Value Of Time For Mass Rapid Transit (Line-1) In Dhaka City. UAP.
2. Mizanur Rahman (2020-2021)., Permanent Speed Hump Impact Evaluation. UAP.
3. Salina Akthe, (2020-2021). The Role Of Demographic Characteristics For Customer Satisfaction And Service Quality Of Bus Service In Dhaka City By Structural Equation Model (SEM). UAP.
4. Md Mostafizur Rahman (2020-2021). Domestic Air Service Quality: A Case Study In Bangladesh. UAP.
5. Golam Mawla (2020-2021). Service Quality Attributes Affecting Customer Satisfaction For Bus Transit In Dhaka City. UAP.
6. Ariful Islam (2019-2020). Paratransit Service Quality Assessment By Low-Income Working Women In Dhaka City By Structural Equation Model (SEM). UAP.
7. Col Md Mahmudur Rahman (2019-2020). Analyzing Domestic Airlines Service Quality In Bangladesh By Using Structural Equation Models And Find Ways For Its Improvement. UAP
8. Umme Ayesha (2017-2019). Assessing Womenâ€™s Perception About Bus Service Quality in Dhaka City. UAP
9. Brigadier General Md. Ashraful Islam (2017-2019). Choice of Travel Mode for the Trip to Work In Dhaka City by Structural Equation Modelling. MIST.
10. Abdullah Faruq (2016-2018). Service Quality Prediction and Ranking of Intercity Train By Structural Equation Model (SEM). UAP.
11. Nasif Hossain Imon (2016-2018). Assessing Bus Service Quality In Dhaka City Using Structural Equation Model (SEM) â€“ A Comparison Between Usersâ€™ Perception And Expectation. UAP.
12. Brigadier General Abul Kashem Md Fazlul Kader (2015-2017). Evaluating Usersâ€™ Perceptions of Paratransit: An Exploratory Study of Dhaka Metropolitan Area. MIST.
13. Rashid, Humaira Tamannur (2014-2016). Discerning and Characterizing Accident Prone Locations In Route N7 (Daulatdia Ferryghat-Goalchamot-Jhenaidah-Khulna-Digraj) National Highway. UAP>
14. Col S M Mostafizur Rahman (2014-2016). Service Quality Assessment Of Paratransit Mode In Dhaka City By Structure Equation Model. MIST.
15. Abu Ofa Momenur Rahman (2014-2016). Evaluation Of Ride Sharing Service Based On Customers Opinion In Dhaka City. UAP.

16. Forkanul Haque (2013-2015). Determination of Userâ€™s Perception of Para-Transit Service in Dhaka City. UAP.
17. M Patwary (2011-2013). Pavement Design, Maintenance and Rehabilitation of Rural Roads of Bangladesh: Review of the existing system. UAP.

Committee Member of M.Sc. Thesis (Bangladesh University of Engineering and Technology (BUET): 1. Hasinae E-Jannat (2011-2013). Pedestrian Road Crossing Behavior at Signalized Intersections and Mid Block Sections in Dhaka city. Bangladesh University of Engineering and Technology (BUET). 2. Asif Raihan (2011-2013). Application of Data Mining in road Traffic Accident 3. Mir Sarwar Hossain Chowdhury (2012-2014). Usersâ€™ Perception of Travel Demand Management (TDM) Measures in Alleviating Traffic Congestion for Dhaka City. Bangladesh University of Engineering and Technology (BUET). 4. Ashfia Siddique (2012-2014). Determination of a Suitable Level of Service Quality of Pedestrian Walkways in Dhaka City. Bangladesh University of Engineering and Technology (BUET) 5. Mohammed Faizus Salehin (2013-2015). Bayesian Crash Prediction Models to Assess the Safety Risk of Urban Intersectio 6. Sanjana Hossain (2013-2015). Developing Metanet-Based Macro Traffic Model for Dhaka City with Modified link-Specified and Global Driver Parameters. Bangladesh University of Engineering and Technology (BUET)ns in Metro Dhaka. Bangladesh University of Engineering and Technology (BUET) 7. Tahnin Tariq (2013-2015). Development of Congestion Maps for Selected Corridors of Dhaka Using Instrumented Vehicle. Bangladesh University of Engineering and Technology (BUET) 8. Parimal Kumar Karmakar (2014-2016). Development of Surface Friction Assessment Model and Measurement Framework for Airport Runway. Bangladesh University of Engineering and Technology (BUET) 9. Rokibul Islam (2014-2016). Application of Neural Network and Fuzzy Inference System for Bus Service Quality Prediction and Attribute Ranking in Dhaka City. Bangladesh University of Engineering and Technology (BUET) 10. Shantana Sheikh (2014-2016). An Alternative Approach of Estimating vehicle Trajectory for Heterogeneous Traffic Condition Considering Dynamic Capacity. Bangladesh University of Engineering and Technology (BUET) 11. Rajib Banik (2014-2016). Paratransit Service Quality Prediction and User Attribute Ranking Using Neural Network and Fuzzy Approach. Bangladesh University of Engineering and Technology (BUET) 12. Tanmay Das (2015-2017). Development of Behavioral Model for household Level Cyclone Evacuation Decision Making. Bangladesh University of Engineering and Technology (BUET) 13. Minhajul Islam (2014-2016). Assessment of Perceived Service Quality in Marine Passenger Vessel Using Structural Equation Approach. Bangladesh University of Engineering and Technology (BUET) 14. Nazmul Haque (2016-2018). Modeling head-on Crash Probability on Two-Lane Undivided Highway Using Vision-Based Classified Trajectory. Bangladesh University of Engineering and Technology (BUET) 15. Ranadhir Kumar Das (2012-2014). Green Bricks for Low Cost Housing. University of Asia pacific 16. Nazrul Islam Mridha (2012-2014). Factors for Implementing Public-Private Partnership (PPP) Projects in Bangladesh. University of Asia pacific

Committee Member of PhD. Thesis: Shah Md. Muniruzzaman. Developing Heterogeneous Traffic State Measurement Techniques Based on Image Processing and Modelling. Military Institute of Science and Technology, MIST, December 2016.

Miscellaneous

Research Collaboration * â€œModelling the exposure risk tradeoff between public transit and private paratransit for transport decision making in the era of COVID19â€ funded by UKRI GCRF/Newton Fund Agile to University of Leeds, UK. (2019-2020). Collaboration with University of Leeds, UK, University of Asia Pacific, Bangladesh, Federal University of Technology, Owerri, Nigeria, Makerere University, Uganda, Bangladesh University of Engineering and Technology, Bangladesh. * Sustainable Transport Equity Partnership (STEP). (2018-2019). Collaboration with University of Leeds, UK, WALK 21, UN Environment, University of Manchester, UK FIA Foundation, University of Nairobi, Kenya. * International Network for Transport and Accessibility in Low Income Communities (INTALINC). (2017-2018). Collaboration with University of Oxford, UK, University of Leeds, UK, University of Manchester, UK, University College London, UK, University of Cape Coast, Ghana, Lagos State University, Nigeria, Makerere University, Uganda. * Gender and Transport Nexus: achieving a more equitable and inclusive society. (2019-2021). Collaboration with Eastern Asia Society for Transportation Studies International Research Group (IRG) * Bus service quality prediction. Collaboration with. (2018). Loughborough University, UK

Consultancy 1. Pavement evaluation of Roads under Sylhet City Corporation 2. Traffic Impact Assessment for â€œPreparation & Submission of a high Quality Environment friendly Master Plan for the Proposed BEPZA Economic Zoneâ€ project, 3. Traffic Study & Forecast for the Feasibility Study of Proposed Flyover (all alternatives) from Airport Road (Mojumdary) to Court point via Amberkhana and Chowhatta in Sylhet City under LGED by using traffic simulation. 4. Traffic Modelling at Mawa Roundabout Improvement of Jatrabari Intersection (Including Equria-Babubazar Link Road) to Patchchar-Bhanga through Mawa Road of Dhaka-Khulna (N8) Highway (6-Lane with Separate Lane for Slow Moving Vehicle) Project. 5. Feasibility Studies of Middle Ring Road Southern Part: Package no. P01/Route-01 (Hemayetpur to Kalakandi with approximate length of 18 km) and Package no. P02/Route-02 (Kalakandi to 3rdShitalakhya Bridge Approach Road with approximate length of 18 km) & Route-03 (Shitalakhya Bridge Approach Road to Madanpur with approximate length of 12 km) under Dhaka Zone, Roads & Highways Department (RHD). 6. Preparation of Urban Development plan for Gazipur City Corporation area 7. Feasibility Study for Constructing Passenger Terminal Facility to Create Berthing Facility of 250 meter long Passenger Cruise Ship at Navigable-wide Coastal area of Chattogram Port 8. Nonmotorized Transport

Specialist in the project of â€œFeasibility Study for Preparation of Integrated Corridor Management Project (ICMP)â€ of DNCC.

Awards * Became session Chair of the 11th EASTS (Eastern Asia Societies for * Transportation Studies) Conference in Cebu, Philippines, held on 11th to 14th of September 2015, on the topic: Resilient and inclusive transportation systems through smarter mobility. * Received the â€œCOSMIC â€“ Young Scientist Awardâ€ for Contribution in the field of Education and Research at the 3rd International Conference on Advancements in Engineering, Technology and Management (AETM 2017) held in Bangkok, Thailand on 6th January 2017. * Steering committee member of 9th International Student Seminar on Transport (ISSOT) Research Symposium held on December 16-18, 2003, at Bangkok, Thailand.

Reviewer Journal of Transportation Research Record, TRR Transportation in Developing Economic, Springer link.
Workshop participated * Presented in workshop organized by International Network for Transport and Accessibility in Low Income Communities (INTALInC) held from 19th â€“ 20th August 2017 in University of Asia Pacific, Dhaka. * Presented in workshop Transport and Mobilities: Network Dissemination Event organized by International Network for Transport and Accessibility in Low Income Communities (INTALInC) held from 2nd -5th, May, 2018, University of Oxford, UK London. * Coordinated and presented in the workshop â€œSustainable Transport Equity Partnerships (STEPS)â€ held from 25th â€“ 28th March 2019 in Lakeshore Hotel, Dhaka.

Report on the workshops: * Nasrin S, Rahman F. 2019 Transport and Social Exlusion in Bangladesh * Nasrin S, Rahman F, Lucas K, Tsoneva E. 2019 Meeting the Transport and Accessibility Needs of Low Income Communities in Global South Cities: Dhaka, Bangladesh (Policy briefing note) * Nasrin S, Rahman F, Lucas K, Tsoneva E. 2018 Transport and Mobilities: Meeting the Needs of Working Women (Workshop proceedings)

https://intalinc.leeds.ac.uk/wp-content/uploads/sites/28/2019/06/Walkability-Audit_Dhaka.pdf

Publications

Peer Reviewed Journal 1. Batool Z, Uzondu C, Islam MM, Rahman F, Wadud Z. The effects of COVID19 on public and paratransit drivers in developing countries: A case study of Bangladesh and Nigeria. 2024. Journal of Transport & Health. 101749-101749. 2. Chinebuli Uzondu, Md Mohaimanul Islam, Zahara Batool, Paul Mukwaya, Farzana Rahman, Andrew Bwambale, Zia Wadud. Transport Services Resilience in the Global South in the Era of COVID-19: Lessons from Nigeria, Bangladesh and Uganda. Transportation in Developing Economies (2024) 10:28. https://doi.org/10.1007/s40890-024-00210-4 3. Farzana Rahman, Md. Mahmudur Rahman. Analyzing Service Quality of Domestic Airlines in an Emerging Country- Bangladesh by Structural Equation Models. Journal of Air Transport Management. Volume 107, March 2023, 102346. DOI: https://doi.org/10.1016/j.jairtraman.2022.102346 4. Bwambale A, Uzondu C, Islam M, Rahman F, Batool Z, Isolo Mukwaya P, Wadud Z. Willingness to pay for COVID-19 mitigation measures in public transport and paratransit in low-income countries. Transportation Research Part A: Policy and Practice. 5. Andrew Bwambale, Chinebuli Uzondu, Mohaimanul Islam, Farzana Rahman, Zahara Batool, Paul Isolo Mukwaya, Zia Wadud. Willingness to Pay for COVID-19 Mitigation Measures in Public Transport and Paratransit In Low-Income Countries. Transportation Research Part A: Policy and Practice. Volume 167, January 2023, 103561. DOI: https://doi.org/10.1016/j.tra.2022.103561 6. Farzana Rahman, Steve Evan Halder. Car Users Willingness to Change Travel Mode In Response to on Street Parking Pricing: A Case Study of Dhaka City. Journal of Engineering Science. 13(2), 2022, 31-41. DOI: https://doi.org/10.3329/jes.v13i2.63724 7. Farzana Rahman. Exploring Paratransit Service Quality Based on Low-Income Womenâ€™s Perception: A Case Study In Dhaka City by Structural Equation Model (SEM). IATSS Research, Elsevier (2022), https://doi.org/10.1016/j.iatssr.2021.11.009 8. Md. Mashrur, Nazmul Haque, Md. Hadiuzzaman, Farzana Rahman, Md. Mizanur Rahman, Mohammad Ehsan Shahmi Chowdhury. Modeling Modified Intermittent Bus Lane Integrated with Transit Signal Priority Under Mixed Traffic Condition. Transportation in Developing Economies (2022). https://doi.org/10.1007/s40890-022-00154-7 9. Farzana Rahman, Rafshan Jahan Rusho Mazumder, Md. Shamsul Kabir, Md. Hadiuzzaman. An Exploratory Analysis of Factors Affecting Comfort Level of Work Trip Chaining and Mode Choice: A Case Study for Dhaka City. March 2020. Transportation in Developing Economies, Springer. DOI: 1007/s40890-020-0095-3 10. Md Hadiuzzaman, Nahid Farazi, Sanjana Hossain, Saurav Barua and Farzana Rahman. Structural Equation Approach to Investigate Trip-Chaining and Mode Choice Relationships in the Context of Developing Countries. Transportation Planning and Technology. Published on 3rd April 2019. DOI:10.1080/03081060.2019.1600244 11. Mohammed Quddus, Farzana Rahman, Fredrik Monsuur, Juan de Ona, and Marcus Enoch. Analyzing Bus Passengersâ€™ Satisfaction in Dhaka using Discrete Choice Models. Transportation Research Record 1â€“11, February 2019. DOI: 10.1177/0361198119825846. 12. Farzana Rahman, Tri Basuki Joewono, Shahidullah Al Masum. Application of traffic calming devices in developing Countries: Learning lesson from Bangladesh. Journal of Transportation Technologies. 2018, 8, pages 119-135. Doi: http://www.scirp.org/journal/jtts 13. Farzana Rahman, Fayaz Uddin, Md. Mostafizur Rahman, Md. Ariful Islam. Characterizing Hazardous Road Locations and Black Spots on Route N8 (Dhaka-Barisal National Highway) of Bangladesh, Journal of Built Environment, Technology and Engineering, Vol. 2. 2017. Pages 203-214. ISSN 0128-1003. 14. Farzana Rahman, Tanay Datta Chowdhury, Md. Tanvir Haque, Md. Rezwanur Rahman and Md. Aminul Islam. Identifying Existing Bus Service Condition and Analyzing Customer Satisfaction of Bus Service in Dhaka City, Journal of Transportation Technologies, JTTs. Vol.7. No. 2. April, 2017), pp 107-122. doi: 4236/jtts.2017.72008

15. Fayaz Uddin, Farzana Rahman, Md. Mostafizur Rahman, Md. Ariful Islam Discerning Pedestrian Accidents in Dhaka-Barisal National Highway in Bangladesh. International Journal of Education and Applied Research (IJEAR) Vol 7, Issue 1, Jan-June 2017. 16. Farzana Rahman, Md. Forkanul Haque, Md. Tanvir Ehsan, S.M. Mostafizur Rahman, Dr. Md. Hadiuzzaman. Determination of Usersâ€™ Perception of Paratransit Service Quality in Dhaka City Based on Users Perception. International Journal of Education and Applied Research (IJEAR) Vol 7, Issue 1, Jan- June 2017. 17. Farzana Rahman, Tonmoy Das, Dr. M. Hadiuzzaman, and Sanjana Hossain. Perceived Service Quality of Paratransit System: A Structural Equation Approach. *Transportation Research Part A: Policy and Practice* , Elsevier. Volume 93, Pages 23-38. November, 2016. doi: 10.1016/j.tra.2016.08.008. 18. Farzana Rahman and Hisashi Kubota. Point Scoring System to Rank Traffic Calming Projects. Journal of Traffic and Transportation Engineering, Elsevier. pp. 324-335. July, 2016. doi:101016/j.jtte.2016.02.002. 19. Farzana Rahman, Yoshida Shingo, Aya Kojima, and Hisashi Kubota. Public Acceptance Survey for Evaluation of Traffic Calming Prioritization Process. Journal of the Eastern Asia Society for Transportation Studies, Vol.11, pp. 1793-1809. 2015. 20. Farzana Rahman, Yoshida Shingo, Aya Kojima, and Hisashi Kubota. 2015. Paired Comparison Method to Prioritize Traffic Calming Projects. Journal of the Eastern Asia Society for Transportation Studies, Vol.11, pp. 2472-2487. 2015. 21. Farzana Rahman, Mohammed Hossain Ezaz, Dipak Halder, and Proshanta Mondal. Contributing Factors Affecting the Safety in Construction Sites of Bangladesh. World Academy of Science, Engineering and Technology. International Journal Of Civil And Environmental Engineering Vol: 1, No:12. 2015. 22. Farzana Rahman, Aya Kojima, and Hisashi Kubota. November. Study on Process of Traffic Calming Project in America. Journal of Japan Society of Traffic Engineers (JSTE). 2010. 23. Farzana Rahman and Hisashi Kubota. Investigation on North American Traffic Calming Device Selection Practices. Journal of International Association of Traffic and Safety Sciences (IATSS) Research, Elsevier. Vol. 33, no. 2. 2009. 24. Farzana Rahman, Aya Kojima, and Hisashi Kubota. Investigation on North American Traffic Calming Decision Making Process. Journal of the Eastern Asia Society for Transportation Studies, Vol.7. 2009. 25. Farzana Rahman, Kunihiro Sakamoto, and Hisashi Kubota. Comparative Study of Traffic Calming Design Process. Journal of the Eastern Asia Society for Transportation Studies, Vol. 7, pp 2786-2798. 2007. 26. Farzana Rahman, Kunihiro Sakamoto, and Hisashi Kubota. 2007. Decision Making Process of Traffic Calming Devices. Journal of International Association of Traffic and Safety Sciences (IATSS) Research, Elsevier, Vol. 31, no. 2, pp 94-106.

Conference Papers (Partly Reviewed) 1. Andrew Bwambale, Chinebuli Uzondu, Mohaiminul Islam, Farzana Rahman, Zahara Batool, Paul Mukwaya, Zia Wadud. Willingness to Pay for COVID-19 Mitigation Measures in Public Transport and Paratransit in Low-Income Countries. TRBAM-23-01878. In Proceedings of 102nd Transportation Research Board Meeting, Washington D.C., January 2023. 2. Farabi Islam Pantha, Muraduzzaman Masum, Golam Sarwer Nayon, Fariha Mushtary and Farzana Rahman. Analyzing the Travel Behavior of Public Bus Users in Dhaka City during COVID-19. 7th International Conference on Engineering Research, Innovation and Education (ICERIE2023). Shahjalal University of Science & Technology (SUST), Sylhet, Bangladesh.
12-14 January 2023. 3. Andrew Bwambale, Chinebuli Uzondu, Farzana Rahman, Paul Mukwaya, Mohaiminul Islam, Zahara Batool, Zia Wadud. User willingness to pay for COVID-19 mitigation measures in public transport and paratransit in developing economies: Evidence from Uganda and Bangladesh. 7th International Choice Modelling Conference (ICMC), Harpa, Reykjavik, Iceland, May 23-25, 2022. 4. Farzana Rahman , Steve Evan Halder , Bourhan Uddin and Mirza Safayet Hossain. Car Users Willingness To Change Travel Mode In Response To On Street Parking Pricing-A Case Study Of Dhaka City. Proceedings of the 6th International Conference on Civil Engineering for Sustainable Development (ICCESD 2022), 10~12 February 2022, KUET, Khulna, Bangladesh (ISBN- 978-984-35-1972-6) ICCESD-2022â€“01127-1. 5. Zahara batool, Chinebuli Uzondu, Md Mohaimanul Islam, Farzana Rahman, Zia Wadud. The Effects of COVID19 on Public and Para-Transit Drivers in Developing Countries â€“ A Case Study of Bangladesh and Nigeria, TRBAM-22-03414. In Proceedings of 101st Transportation Research Board Meeting, Washington D.C., January 2022. 6. Mohaimanul Islam, Bellal Ahmed, Md. Tyebul Islam Remon, Dr. Farzana Rahman. Service Quality Assessment of Paratransit in Dhaka City: A Structural Equation Approach. Proceedings of the Eastern Asia Society for Transportation Studies, Vol.13, 2021. 7. Umme Ayesha, Farzana Rahman. Assessment of Bus Service Quality Based on in An Emerging Mega City Dhaka. Proceedings of the Eastern Asia Society for Transportation Studies, Vol.13, 2021. 8. Ariful Islam, Md. Mehrab Hasan, Prasanjit Das and Dr. Farzana Rahman. Assessing Bus Service Quality Based on Public Perception: A Case Study Comparing Dhaka and Chittagong city. ICTR 2019: International Conference on Transportation Research. 9. Abdullah al Mamun, Md. Arif Hossain and Dr. Farzana Rahman. Signal timing optimization with separate right turn pocket lane-a case study on Bangla motor intersection in Dhaka city. ICTR 2019: International Conference on Transportation Research. 10. Farzana Rahman, Md. Ariful Islam and Md. Rasel Mia. Exploring Public Perception of Rail Transit Service of Bangladesh by Ordered Probit Model (OPM). ICTR 2019: International Conference on Transportation Research. 11. Farzana Rahman, Md. Fazle Rabby and Kazi Safiqul Islam. Assessing Pedestrian Safety in Consideration of Existing Pedestrian Facilities. Proceedings of the 5th International Conference on Civil Engineering for Sustainable Development, (ICCESD 2020), 7~9 February 2020, KUET, Khulna, Bangladesh. 12. Farzana Rahman, Md. Fazle Rabby and Md. Ariful Islam. Exploring Public Perception on Rail Transit Service of Bangladesh. Proceedings of the 5th International Conference on Civil Engineering for Sustainable Development, (ICCESD 2020), 7~9 February 2020, KUET, Khulna, Bangladesh. 13. Rahman, F., Roy, C., Tasnuva, S., Bayen, A. R., Ahmed, J. and Kulsum, U. A typological analysis on the Strategies of Bus Priority Lanes on City Streets: A recommendation for Bangladesh. Proceedings of the 5th International Conference on Civil Engineering for Sustainable Development, (ICCESD 2020), 7~9 February 2020, KUET, Khulna, Bangladesh. 14. Rahman, F.; Rabbi, N.; and Islam, A. M. Usersâ€™ Mode Change Behavior Due to On-Street Parking Pricing: A Case Study for Dhaka. 2nd Future Smart Cities Conference by IEREK, 5-7 November,

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