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## **A. PROFESSIONAL PREPARATION**

East China Normal University	Shanghai, China	Mathematics	B.S., 1996
East China Normal University	Shanghai, China	Probability and Statistics	M.S., 1999
Polytechnic University of New York	New York, U.S.	Transportation Planning and Engineering	Ph.D., 2002

## **B. ACADEMIC/PROFESSIONAL APPOINTMENTS**

2012 - Present Chair, Department of Transportation Studies, Texas Southern University  
2016 - Present Professor, Department of Transportation Studies, Texas Southern University  
2011- 2016 Associate Professor, Department of Transportation Studies, Texas Southern University  
2005 - 2011 Assistant Professor, Department of Transportation Studies, Texas Southern University  
2002 – 2005 Research Associate, Department of Civil Engineering, University of Virginia

## **C. PRODUCTS**

### **Five Selected Publications Most Closely Related to the Proposed Project:**

1. **Qi, Y.** and Q. Zhao, “Safety impacts of signalized lane merge control at highway work zones”, Journal of Transportation Planning and Technology, Vol. 40, Issue 5, pp.577-591, 2017.
2. **Qi, Y.**, A. Padiath, Q. Zhao and L. Yu. “Development of Operating Mode ID Distributions for Different Types of Roadways under Different Congestion Levels for Vehicle Emission Assessment Using Moves”, Journal of the Air & Waste Management Association, 2016.  
DOI:10.1080/10962247.2016.1194338
3. Chen X., **Y. Qi**, and Y. Lu, “Safety Impacts of Using Short Left-Turn Lanes at Unsignalized Median Openings”, Journal of Transportation Research Board, Vol. 2436, pp 13-22, 2014., Win 2015 TexITE Best Technical Paper Award (<http://www.texite.org/2015-recipient/>)
4. Chen X., **Y. Qi**, and D. Li, “Estimating Right Turn on Red Capacity for Dual Right-Turn Lanes at Signalized Intersections”, Transportation Research Record, Volume 2286, pp 29-38, 2012
5. **Qi, Y.**, X. Chen, A. Guo and L. Yu, “A New Analytical Approach To Estimating The Operational Benefit And The Safety Cost Of Protected/Permissive Left-Turn Signal Control Mode”, Transportation Research Record, Volume 2149, pp 37-49, 2010

#### **Five Selected Other Significant Publications:**

1. Chen X., Y. Qi, D. Li and Y. Wang, “Dual Right-Turn Lanes in Mitigating Weaving Conflicts at Frontage Road Intersections in Proximity to Off-Ramps”, accepted for publication in Journal of Transportation Planning and Technology, 2014.
2. Wang, Y., R. Cheu, Y. Qi, and X.Chen. Operational Benefits of Auxiliary Lanes at Isolated Freeway On-ramp Junctions. Journal of Transportation of ITE, 2013
3. Chen X., Y. Qi, and G. Liu, “Empirical Study of Gap-Acceptance Behavior of Right-Turn-on-Red Drivers on Dual Right-Turn Lanes”, ASCE's Journal of Transportation Engineering, Volume 139, Issue 2, 2013.
4. Qi ,Y. and P. Yuan , “Pedestrian Safety Under Permissive Left-Turn Signal Control”, Transportation Research Record, Volume 2299, pp 91-100, 2013
5. Qi, Y., R. Srinivasan, H. Teng and R. Baker, “Analysis of the Frequency and Severity of Rear-End Crashes in Work Zones”, Traffic Injury Prevention, Volume 14(1), pp 61-72, 2013.

#### **D. SYNERGISTIC ACTIVITIES**

1. Served as Principal Investigator (PI) or Co-PI of 24 externally funded research projects, published over 30 scientific papers and made over 50 presentations
2. Served in significant international and national committees and councils including Transportation Research Board (TRB) ABE40 Committee - Critical Transportation Infrastructure Protection and TRB ABJ70 committee - Artificial Intelligence and Advanced Computing Applications.
3. Developed new curriculums at TSU: GIS application in Transportation and Quantitative Assessment of Transportation Environmental Impact, which attract more minority students to participate in science, mathematics and engineering and effectively integrate the proposed research with the education at HBCU.
4. Develop transportation labs equipped with advanced traffic data collection equipments and traffic monitoring systems. This effort has considerably enhanced the research and education infrastructure in transportation at TSU.
5. Serve as Paper review coordinator for the Transportation Research Board (TRB) ABR10 Committee - Critical Transportation Infrastructure Protection, 2012- 2017; Serve as Editorial Board, International Journal of Transportation Science and Technology; Serve as Associate Editor for ITE 7th issue of the Journal of Transportation of the Institute of Transportation Engineers, July 2015; Serve as Associate Editor for 15th IEEE ITS Conference, 2012; Serve as Reviewer for Transportation Research Record, ASCE Journal of Transportation Engineering, Journal of Transportation Research Part C, Journal of Air & Waste Management Association, Journal of Intelligent Transportation Systems.