

**Giovanni Puccini, PE, PTOE**  
*Adjunct Professor, Department of Transportation Studies*

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**Education:**

- B.S., Civil Engineering, Javeriana University, Bogotá, D.C., Colombia.
- M.S., Civil Engineering (Transportation & Project Management), University of Kentucky.

**Teaching Assignments**

- TMGT 880 ITS Application and Technology

**CAREER HIGHLIGHTS**

- Mr. Puccini is a licensed professional engineer in five states with over 20 years of experience in the transportation field working for a variety of public and private clients throughout the Americas and the Middle East. He joined KBR in 2004 as a Senior Project Manager and was officially named KBR's Traffic and Logistics Engineering Discipline Leader in 2007.
- Mr. Puccini, since 2010, also serves the board of advisors of the College of Science, Engineering, and Technology (COSET) at Texas Southern University (TSU) and most recently became Adjunct Professor to its Department of Transportation Studies Master Program.
- During his tenure with KBR, he has served as project manager responsible for several complex transportation studies mega-construction projects worldwide in the hydrocarbons industry including Pearl GTL in Qatar and Sadara in Saudi Arabia, the two largest facilities ever built of their kind. Each of these projects generated over 55,000 people needed to be transported every day from housing to job sites within a proposed improved City roadway network. Recommendations from his studies has saved millions of dollars on those individual projects that otherwise would be lost on personnel unproductivity or freight delivery delays.
- Mr. Puccini has also been instrumental in the development of many high profile public infrastructure projects during planning, preliminary engineering, detailed design, construction, or operations phases. For example, he served as Traffic Task Leader responsible for a wide number of traffic studies from preliminary engineering all the way to complete PS&E for TxDOT's Inner Loop project, the largest single highway construction project in El Paso, TX history. More recently, in 2015, he was the Traffic Engineer of Record for TxDOT's I-2 project in McAllen, TX, a 46-million urban interchange reconstruction project. Other of his public sector projects include the following award winners TxDOT's Incident Management Plan in El Paso, TX (2003 ITS Texas project of the year), Lake Jackson downtown revitalization plan, Houston's Regional Computerized Traffic Signal System (RCTSS), and the Magdalena Waterway (3-year interdisciplinary major investment program for improving Colombia's 400-mile main Intracoastal navigation corridor).
- Prior to KBR, Mr. Puccini served as a Senior Associate, Lead Traffic Engineer, and Project Engineer for other consulting firms as well as a Traffic Researcher for the University of Kentucky.
- His research and development interests include Intelligent Transportation Systems (ITS), traffic micro-simulation and travel demand modeling, multimodal interdisciplinary performance-based transportation measures, Geographic Information Systems (GIS), and highway safety.

## EXPERIENCE

- Kellogg Brown & Root Services, Inc. – Senior Project Manager, 2004- Present
- Walter P. Moore – (2 Years) Senior Associate
- Morley and Associates, Inc., – (3 Years) Traffic Engineer
- University of Kentucky – (2 Years) Graduate Researcher.
- Silva Carreño & Associates – (3 Years) Transportation Engineer
- L. Huertas Consulting Engineers – (1 Year) Staff Engineer

## PROFESSIONAL LICENSES

- Professional Engineer (P.E.) No. 90714, Texas, 2002; No. 21488, KY, 2000; No. 10100235, IN, 2001; No. 33778, LA, 2008; No. 68689, FL, 2009.
- Registered Engineer No. 80425223 Colombia, 1996
- Professional Traffic Operations Engineer (PTOE), No. 1109, 2003.

## PROFESSIONAL ASSOCIATIONS

- TSU College of Science, Engineering, and Technology – Board of Advisors & Adjunct Professor.
- Institute of Transportation Engineers (ITE) – Member and Consultants Council Representative.
- Intelligent Transportation Society (ITS) of Texas – Member.
- American Society of Civil Engineers (ASCE) – Past President of the Indiana Southwest Branch and Past Delegate for District 9 Council.

## AWARDS, PRESENTATIONS, & PUBLICATIONS

- Moderator for High Speed and Intercity Rail: Connecting Texas Conference, TSU, 2015.
- "Transportation Studies of Mega-Construction Projects in the Middle East" Presented at the TexITE Winter Meeting in Irving, TX, 2008.
- ITS Project of the Year Award. ITS Texas, 2003.
- Non-Sponsored Technical Paper Award. ITE Southern District, 1998.
- Essay Competition Graduate Scholarship Award. ITE KY Section, 1997.
- "Fatal Crash Rates in The Southeast United States: Why Are They Higher?", N. Stamatiadis and G. Puccini. Transportation Research Board (TRB) Research Record No. 1665, Washington, D.C., 1999.
- "Development of Secondary Highway Accident Countermeasures through Induced Exposure", G. Puccini and N. Stamatiadis. Southeastern Transportation Center, 1999.
- "Monitoring the Magdalena River", G. Puccini and A. Rodriguez. Topography & Construction, Number 3, September, 1996.
- Technical Director of the Javeriana Engineering Magazine, 1992.

## TXDOT PRE-CERTIFICATIONS

- Policy and Systems Planning (1.1.1, 1.2.1),
- Subarea/Corridor Planning (1.3.1),
- Land Planning/Engineering (1.4.1),
- Feasibility & Major Investment Studies (1.5.1, 1.6.1),
- Route Studies and Schematic Design of minor/major/complex roadways (3.1.1, 3.2.1, 3.3.1),
- Traffic Engineering Studies (7.1.1),
- Traffic Signal Timing (7.3.1),
- Traffic Control Systems (7.4.1),
- ITS Planning (7.5.1),
- Signing & Pavement Markings (8.1.1.),
- Signalization (8.3.1),
- Bike/pedestrian facilities (9.1.1).