

**Francisco R. Klein, PE, PTOE, RSP**  
**Augspurger Komm Engineering, Inc.**  
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## **EDUCATION**

Goldman Sachs 10,000 Small Business Program, Babson College, Wellesley, Massachusetts, 2015  
Master of Engineering, University of Puerto Rico, Mayaguez Campus, 2009  
E-Business Diploma, Universidad Gabriela Mistral, Santiago, Chile, 2001  
Bachelors of Science, Civil Engineering, Universidad Diego Portales, Santiago, Chile, 2001

## **EXPERIENCE**

Transportation Planning, Soil Mechanics, Traffic Engineering, Highway Signing/Marking, Traffic Control, Vehicular Accident Reconstruction and Analysis, Highway Design and Maintenance, Environmental Impact and Traffic Safety, Parking Garage Planning and Design

## **PROFESSIONAL REGISTRATION**

Professional Engineer, District of Columbia, Civil, License # 908829  
Professional Engineer, State of Arizona – Civil, License # 65411  
Professional Engineer, (PE), Commonwealth of Puerto Rico, License # 20659  
Professional Engineer, Commonwealth of Virginia, License # 52902  
Road Safety Professional (RSP) certified by TPCB  
Professional Traffic Operations Engineer, (PTOE), License #3671, certified by the Transportation Professionals Certification Board (TPCB)  
OSHA 10-Hour Certification in Highway Construction Zones  
OSHA 30-hour Certification in Construction

## **EXPERIENCE HISTORY**

2015 - Augspurgen Komm Engineering, Adjunct Consultant  
2006 - Klein Engineering, PSC, President  
2002 - 2006 Design Group Consulting Engineers, PSC, Project Manager  
2000 – 2002 Nestle Chile, Trade Marketing Specialist & Category Manager

## **PROFESSIONAL AFFILIATIONS**

Professional College of Engineers and Land Surveyors of Puerto Rico  
San Juan Chapter Board Member and Past Vice President  
American Society of Civil Engineers  
Institute of Transportation Engineers  
National Association of Professional Accident Reconstruction Specialists

## **CONTINUING EDUCATION**

National Highway Institute, FHWA-NHI-380070 Highway Safety Manual Practitioners Guide for Geometric Design Features, February 13-14, 2019, CIAPR, San Juan Puerto Rico  
VDOT Advanced Work Zone Traffic Control Training, October 30-31, 2018, Sandston, VA  
VTCA-VDOT Consultant Forum, October 2, 2018, Richmond, VA  
VDOT's Transportation Management Institute (TPMI), University of Virginia, May 15-24, 2018, Charlottesville, VA  
ITS, DC Section, ITE Technical Meeting at VDOT, March 27, 2018, Fairfax, VA  
CIAPR, Introduction to the Highway Safety Manual, February 8-9, 2018, San Juan, Puerto Rico  
CIAPR, Arecibo Chapter, Design and Analysis of Storm Sewer Systems, Arecibo, Puerto Rico, June 7-8, 2017  
FHWA, Every Day Counts 4 Regional Summit, Orlando, FL, December 14-15, 2016  
National Capital Region Transportation Planning Board, Fill in the Gaps: Bicycle and Pedestrian Projects Around the Region, Washington DC, December 8, 2016  
VDOT, OSHA 30-Hour certification, Richmond, VA, October 17-20, 2016  
FHWA-PRHTA, Diseñando para la Seguridad de los Ciclistas, CIAPR, San Juan PR, October 13, 2016  
FHWA-PRHTA, Reconfiguración Geométrica de Carreteras (Road Diet), CIAPR, October 11-12, 2016  
VDOT, Basic Work Zone Traffic Control Training, Richmond, VA September 13, 2016  
FHWA – PRHTA, Smarter Work Zones Workshop, CIAPR, June 22, 2016  
CIAPR, San Juan Chapter, 7mo Simposio de Mantenimiento de Edificos, CIPR, June 17, 2016  
PR, Expo Cumbre y Mega Viernes Civil 2016, IIC, CIAPR, May 13, 2016  
WDITE SimCap Lunch and Learn at DDOT, Washington, DC, April 1, 2016  
Pervious Concrete Pavement: Hype and Hope, CIAPR Mayagüez, March 17, 2016  
Basic Concepts of Soils and Geotechnical Engineering, CIAPR, San Juan, March 15, 2016  
Road Safety Audits – Puerto Rico Strategic Highway Safety Plan, San Juan RP, June 30, 2015  
The New Era of Women in Transportation, San Juan, PR, June 18, 2015  
“Tercer Congreso de Infraestructura: Infraestructura para el Crecimiento de Puerto Rico” San Juan PR, June 12, 2015  
“Desarrollando Estrategias Innovadoras para el Ingeniero y Agrimensor”, San Juan PR, May 5, 2015  
Challenges and Opportunities for the Development of Solutions Favorable to all Road Users in Puerto Rico, San Juan, PR, April 24, 2015  
Transportation Management Plan, San Juan, PR, March 27, 2015  
Highway Design and PS&E Development Workshop, San Juan, PR, February 3-5, 2015  
Traffic Signal Training, McCain, Inc., Transportation Controls, Inc., Tampa, FL, December 17-18, 2014  
Diseno de Semaforos Accesibles para Peatones, San Juan PR, November 13, 2014  
ITE Puerto Rico Section's Technical Congress, October 24, 2014  
6to Simposio: Mantenimiento Sostenible y Eficiencia Energetica, San Juan, PR, June 12-13, 2014  
ARC – CSI Crash Conference, Las Vegas, NV June 2-5, 2015  
Politica Publica Leyes Oroyectos, Estadisticas y Camnpanas Educativas para Ciclistas y Peatones, San Juan, PR, April 24, 2014  
2014 Mega Viernes Civil by the Puerto Rico Institute of Civil Engineer, San Juan, PR, April 2, 2014  
2014 Transportation Week, Department of Civil Engineering and Land Surveying, University of Puerto Rico at Mayaguez, March 30, 2014  
2014 ITE Technical Conference, Miami, FL March 9-12, 2014

## **PUBLICATIONS**

Fundamentals of Highway and Roadside Design for the Accident Reconstruction Specialist, Collision Magazine, Fall 2011 Edition

## **PRESENTATIONS**

Integrating GIS into Transportation Safety for Disaster Relief Projects, Mega Viernes Civil, Puerto Rico Institute of Civil Engineers, Puerto Rico, April 5, 2019  
The Modern Roundabout, Polytechnic University of Puerto Rico, San Juan, PR, January 14, 2016  
Fundamentals of Roadside Design, San Juan PR, June 6, 2015  
Challenges and Opportunities for the Development of Solutions Favorable to All Road Users in Puerto Rico, San Juan, PR April 24, 2015  
Transportation Management Plan, San Juan PR, March 27, 2015  
Safety in Design, Design for Safety, Department of Civil Engineering and Land Surveying, University of Puerto Rico at Mayaguez, 2014  
Mayaguez Bypass Cycle Route, 2014 ITE Technical Conference, Miami FL, 2014  
Traffic Signal Systems Design, Part II  
Traffic Impact Analyses for Site Development, Civil Engineering Class at the University of Puerto Rico at Mayaguez, 2012  
Fundamentals of Highway and Roadside Design for Accident Reconstruction, ARC CSI Conference, Las Vegas, NV, 2012  
Modern Roundabout Design, 2012  
Traffic Calming, Street Safety, Livability and Other Public Purposes, for the Institute of Civil Engineers, Puerto Rico, 2011  
Maintenance of Pavements, 4<sup>th</sup> Symposium of Building Maintenance, 2011

## **PROJECT EXPERIENCE**

Plaza District Traffic Improvements, Klein Engineering, PSC is working as consultants to Banco Popular de Puerto Rico, in collaboration with Perkins-Eastman, for the traffic analysis for the improvements to the Hato Rey Central Business District  
Landslide Repairs and Recommendations, Klein Engineering, PSC is working as consultants to PRHTA for the repairs of landslides caused by Hurricane Maria to roads located in multiple municipalities across Puerto Rico  
Hurricane Maria Efforts for Signage and Guardrails, Klein Engineering, PSC is working as consultants to PRHTA for the inventory and design of damages caused by Hurricane Maria to signs and guardrails in the various municipalities of Puerto Rico  
Water channels cleanup for USDA – NRCS, Klein Engineering, PSC is working for the Natural Resources Conservation Service with the removal of sediment and vegetative debris in waterways located in several municipalities of Puerto Rico  
Transform 66, I-66 Out of the Beltway (OTB), Virginia. Analyst for various temporary modifications as part of the proposed improvements to the I-66 OTB corridor, using micro and macrosimulation models (Vissim and Sunchro/Sim Traffic)  
Renovations to the Fajardo U.S. Custom House, in the Municipality of Fajardo, Puerto Rico. Project Manager for the design renovations to the historic building owned by Customs and Border Protection.  
Pedestrian Improvements along Autopilot Drive at Dulles International Airport in Sterling, VA. Project manager and Engineer for the design of the improvement of two signalized intersections along Autopilot Drive. Worked with the design of the corresponding modifications to the existing traffic signals and in preparing erosion and sediment control plans that comply with guidelines and regulations presented by MWWA.  
Replacement of Bridge No. 1142, located on State Road PR-418, in the Municipality of Aguada. Klein Engineering, PSC is the design consultant to PRHTA, which includes geometric and structural design, traffic, safety, environmental and cultural resources analysis.

Francisco R. Klein-Moya, PE, PTOE

Consulting Engineer

Page 4 of 4

Rehabilitation and Scour Mitigation of Bridge No. 1724, Kline Engineering is the design consultant to PRHTA for the project, which includes traffic, structural and environmental analysis and design Road Safety Audit for State Road PR-53 and PR-906, in the Municipality of Humacao. The study includes the analysis of safety issues along the two highway segments in order to provide suggestions to the designer under contract by PRHTA

Improvements to State Road PR-17, from PR-20 to PR19, in the Municipality of San Juan. Klein Engineering is the consultant under contract with Banco Popular for the design of pavement markings, signing, traffic signal improvements and alignment modifications

Analyst for the proposed modifications to transit routes in the Metropolitan area of San Juan

Design of new traffic signal, traffic signing and pavement markings, geometric improvements and temporary traffic control, in the Municipality of Vega Baja

Traffic impact analysis for the proposed improvements to vehicular, pedestrian and bicyclist facilities within the portion of Puerta de Tierra Ward

Improvements to State Road PR-165, worked in the design and computer drafting of final construction plans

New Los Angeles Connector, in the Municipality of San Juan, worked on geometric, grading and drainage design and computer drafting, as well as CAD drawings for street and pipe profiles and cross sections.

Ongoing contract with the Puerto Rico Department of Justice for the reconstruction of vehicular accidents, as well as motor vehicle accident reconstruction for private law firms and insurance companies

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