



Jeremy A. Chrzan, PE, PTOE, LEED AP

Jeremy Chrzan is a Project Engineer in the Transportation Division at Pennoni Associates headquarters in Philadelphia. He grew up in Pittsburgh, Pennsylvania, and moved to Philadelphia in 1997 to attend Drexel University. His engineering studies focused on structural design and engineering geology and his Masters research involved the design, manufacturing, and testing of a ductile-hybrid-FRP reinforcing bar for concrete structures. Jeremy served as the Marketing Director for the Campus Activities Board for much of his time at Drexel, and received the Advisor Award in 1999 for his service to the Drexel Community. Jeremy graduated from the Drexel Honors College in 2002, earning his Bachelor and Master of Science degrees in Civil Engineering.

Jeremy began his engineering career as a co-op at Pennoni in 1999, and worked in the Transportation and Building Systems divisions throughout college. After a 5-month stint designing television broadcast towers, he joined Pennoni Transportation full-time in 2003. His design experience is varied, encompassing geometric roadway and roundabout design, permitting, traffic analysis and mitigation, stormwater analysis, cost estimation, stakeholder coordination, responding to RFPs, and the design of bicycle and pedestrian facilities, streetscape improvements, green streets and drainage facilities, flexible and rigid pavements, and guiderail.

Jeremy has designed and managed numerous projects throughout his part-time and full-time career at Pennoni. He recently served as the project manager and engineer of record for the Mayfair Streetscape Improvement Project along Frankford Avenue in Philadelphia, and the Rapps Dam Road Historic Wooden Covered Bridge Rehabilitation Project in East Pikeland Township, Chester County, which was awarded the 2012 Preservation Achievement Grand Jury Award from the Preservation Alliance for Greater Philadelphia. Responsibilities included roadway and drainage design, environmental and historic permitting, utility coordination and clearances, stakeholder coordination, and PennDOT ECMS Project Documentation. Jeremy has also designed numerous intersection and roadway improvements throughout Bensalem Township, performed emergency driveway design and permitting for the Graterford State Correctional Institution, guiderail design for the I-95-ITB and 202-7IT Design-Build Intelligent Transportation System (ITS) Installations, and Green Streets design and permitting for the Philadelphia Water Department.

Since 2003, Jeremy has served as a PennDOT District 6-0 consultant reviewer for hundreds of Highway Occupancy Permit (HOP) submissions, most notably the preliminary submissions for the Spring Garden Street Greenway, access to Route 29 for the new All-Electronic Turnpike Interchange project, and the East Reeceville Road Bridge Replacement project, a public/private partnership recognized with a 2011 ACEC Diamond Award Certificate in 2010. Jeremy continues to work on initiatives with both PennDOT District 6-0 and Central Office to streamline the HOP permitting process and address policy inconsistencies, whether real or perceived. He has been responsible for improvements to electronic permitting for utilities and expedited permits, presented policy revisions and new technologies to the engineering community, and prepared draft publications, strike-off letters, white papers, and revisions to the PA Code relating to HOPs to address changes in engineering design and PennDOT policy.

Jeremy is currently advancing a PennDOT project to replace the Route 322 Brandywine Avenue Bridge over the East Brandywine Creek in West Bradford and East Caln Townships, the design of a new roadway alignment and streetscape improvements for Langley Avenue in the historic Philadelphia Navy Yard, a preliminary engineering assessment for the Bensalem Greenway along State Road, and roundabout designs for both Gloucester and Burlington Counties in New Jersey. He also serves as a quality control reviewer for Pennoni's Transportation, Municipal, and Site Design divisions. Jeremy is a registered Professional Engineer in Pennsylvania, Delaware, and New Jersey, a certified Professional Traffic Operations Engineer (PTOE), and a LEED Accredited Professional.

Jeremy is active in ASCE and has served on the Younger Member Forum (YMF) executive board since 2006. He was responsible for the redesign of the YMF website, which won the ASCE Committee on Younger Members Outstanding Younger Member Group Website Award in both 2007 and 2011. He has spoken at student chapter meetings, and organized fundraising for the YMF Annual Winter Social for many years. This year as President of the YMF, Jeremy has worked closely with the YMF Outreach Committee to increase involvement in elementary and middle schools, and was responsible for preparing ASCE's submission for the Philadelphia Inquirer's *Newspapers in Education* program. Jeremy has also served as the Section webmaster since 2009, responsible for the complete redesign of the site, developing an online RSVP and payment system, and creating an online email subscription and distribution system. Nationally, Jeremy sits on the ASCE Committee on Younger Members, serving as the Region 2 Corresponding Member. In this role he's responsible for event coordination and development across our multi-state region, as well as judging ASCE National Awards. Jeremy has attended various ASCE conferences and the legislative fly-in in Harrisburg, and has served as a judge for the Regional Concrete Canoe Competition for the past two-years.

Outside of ASCE, Jeremy is actively involved in community service and outreach. He participates in neighborhood clean-up and electronic recycling days, and volunteers as the grounds keeper for the Lutheran Settlement House Garden. He has been a judge for the Future City Competition since 2007 and has been working with Philadelphia MathCounts since 2008. Jeremy also manages the Science Board at the SEPTA Girard EL Station where he displays his original public education posters.

Jeremy enjoys riding his bicycles for recreation and commuting, and annually participates in charity rides for the MS Society and the French & Pickering Creeks Conservation Trust. In his spare time, Jeremy enjoys grilling, gardening, hiking, photography, collecting rocks and minerals, and designing and launching what he playfully refers to as his "spaceships." These high altitude balloon projects are capable of reaching elevations of over 100,000-feet and involve a diverse range of engineering challenges. The reward is a unique view of our planet showing the curvature of the earth and the blackness of space. Jeremy is currently finalizing his second launch, dubbed *Curve_Two*, which includes a homemade amateur radio GPS beacon and data logger, self-manufactured broadcast antenna, internal and external temperature sensors, and three cameras capturing HD video and still images. Jeremy resides in the Fishtown neighborhood of Philadelphia with his girlfriend Erika Tapp, who miraculously puts up with his time commitments. They have two dogs: Mr. Fox and Monticello, and three cats: Hina, Mira, and Mama.