



Curriculum Vitae

James R. Panko, P.E., S.E.
Structural/Civil Engineer

Professional Practice

James Panko is an accomplished Civil/Structural Engineer with more than 13 years of Civil/Structural engineering experience in the industry. Mr. Panko provides expert consultation in the areas relating to building and site design, structural and failure analysis for all building types, building envelope analysis, and premise liability. Mr. Panko has performed building evaluations on structures affected by moisture intrusion, high wind events, fire, blast loading, vehicle impact and vibration induced loads to determine the extent of damage and provide root cause determination of failure. Mr. Panko's experience in the design of building sites also allows him to perform forensic investigations relating to site drainage, grading, ADA compliance and piping networks. Mr. Panko has extensive experience as Engineer-of-Record for projects from all sectors of the built environment including the Department of Defense, Department of Corrections, healthcare, higher education, industrial, agricultural, mixed use retail, and residential.

Employment History

Consulting Structural Engineer, Crane Engineering Building Science, LLC and Crane Engineering, Plymouth, Minn., 2013-present. Provides assessments and evaluations of the physical conditions, and analyzes conditions as they relate to structural planning decisions regarding a particular incident or outcome. Code compliance evaluation for structures and environments, field assessments of structures, environments and construction contract performance issues. He is part of Crane Engineering's DART (Difficult Access Response Team) and is able to apply his expertise using Ropes Access techniques and work in confined spaces, giving clients the ability to have inspections performed in nearly any location. Serves as expert witness to present professional opinion and results.

Principal Investigative Engineer, Investigative Engineers of Southern Minnesota – A Division of Paulsen Architects, Mankato, Minn., 2011-2013. Responsibilities included investigating structural defects, construction defects and storm damage. Provided expert witness services. Provided detailed reports and analyses on investigations.

Director of Structural/Civil/Investigative Engineering, Paulsen Architects, Mankato, Minn., 2004-2013. Responsibilities included developing the Civil/Structural engineering department for architectural firm Oversaw design of all structural and civil components. Reviewed plans for compliance with various state and city codes. Analyzed and designed structural systems for steel, concrete, wood, and masonry. Proficient in seismic design and detailing requirements for SDC D, E, F.

Engineer Technician/Survey Crew Chief, Pac West Engineering, Albany, Ore., 2001-2002. Lead survey crew to provide construction staking services and property boundary surveys. Provided calculations for slope staking and storm runoff data.

Professional Licenses

Registered Professional Engineer – Minnesota, Florida, Iowa and Colorado.

Professional Affiliations and Honors

Recipient of the American Society of Civil Engineers – Minnesota Young Engineer of the Year Award, 2012.

Presenter of “Effective Management of Investigative Engineering Firm” IENGA annual conference Fort Lauderdale, Fla., 2012.

Advisor in the publication of Moaveni, Saeed, *Engineering Fundamentals: An Introduction to Engineering*, 2011.

American Society of Civil Engineers (ASCE)

Minnesota Society of Professional Engineers (MSPE)

National Society of Professional Engineers (NSPE)

Structural Building Component Association (SBCA)

Northwest Loss Association, Inc.



Education

Bachelor of Science in Civil Engineering, Minnesota State University, Mankato, Minn., 2004.

Continuing Studies

Completion of 64 hours of Investigative Engineering Training, I-ENG, Fort Lauderdale, Fla., 2011 and 2012.

Graduate of the Greater Mankato Growth Leadership Program, Mankato, Minn., 2010.

Participant in annual continuing education classes offered by the University of Minnesota, Minneapolis, Minn.

Presentations and Publications

“Incident Site Management – Managing and Documenting an Incident Scene”, ASCE Forensic Engineering 7th Congress, Miami, Fla., 2015.

“Bracing for Failure: A Case Study of Wood Truss Failures and the Responsibility of the Designers, Manufacturers, and Installers”, North Dakota Defense Lawyers Association (NDDLA) – 2015 Annual Meeting and Seminar, Bismarck, N.D., 2015.

S.A. Nesvold, J.R. Panko, Incident Site Management – Managing and Documenting an Incident Scene. Proceedings of the 7th Congress and Forensic Engineering, American Society of Civil Engineers, Reston, VA, pp. 589-599, 2015.

