

## **Presentation:**

# **GeoConstruction Problems – What Went Wrong?**

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This presentation will provide an overview on various ways that a geoconstruction project can go wrong. This overview will be illustrated with salient case history examples which the presenter has been involved in over his almost 40 years of conducting geoforensic investigations. MEA has been involved in cases which involved claims of up to about \$1 billion dollars. Also discussed will be the objectives in performing a forensic investigation, and the key factors in performing such an investigation. The presentation will conclude with a summary of key points when encountering geo-construction difficulties. Although this presentation concerns geoconstruction, principles discussed would apply to other areas of engineering.

### **Biography:**



Dr. Gennaro G. Marino received his Ph.D. in Civil Engineering in 1985, from the University of Illinois. Dr. Marino has been doing geoforensic work for over 40 years and has worked on cases with claimed damages of up to about a billion dollars. He presently has a P.E. license in 27 states and is a member of ASCE, SME, and ASTM. As a committee member of ASTM, Dr. Marino reviews soil and rock testing procedures. Dr. Marino is also the chairman of the American Bar Association's Expert Witness Civil Engineering subcommittee, and is a member of the ASCE Forensic Engineering Division's Committee on Practices to Reduce Failures.

Over the course of his career, Dr. Marino has authored over 100 articles and publications on advanced engineering topics and has written a textbook on Earthquake Damage. In 2015, Dr. Marino received Distinguished Alumnus Award from the Civil and Environmental Engineering Alumni Association of the University of Illinois. In 2013, The Academy of Geo-Professionals (AGP) of ASCE recognized Dr. Marino as a Diplomate Geotechnical Engineer (D.GE) for his superior expertise and experience, strong ethics, commitment to life-long learning and continued professional development in the field of Geotechnical Engineering. In 2011, Dr. Marino was selected as the Central Illinois, ASCE Civil Engineer of the Year. Marino Engineering Associates, Inc. was chosen as 1st runner-up for the Central Illinois, ASCE Civil Engineering Project of the Year for 2010.