Adel M. Zantout, P.E.
Executive Vice President

Education

- Bachelor of Science in Civil Engineering with Honors
  University of Florida – 1976
- Master of Engineering
  University of Florida – 1978

Registration

- Registered Professional Engineer
  State of Texas – No. 51670

Affiliations

- National Society of Professional Engineers
- Texas Society of Professional Engineers
- Tau Beta Pi, National Engineering Honor Society

Professional Experience

- Conlan Engineering Co.
- Rady & Associates, Inc.
- Tucker-Hinson Associates, Inc.
- Streamline Engineering
- Graham Associates, Inc.
- Nelson Engineering Corporation

Years of Experience: Overall 37: JEA HydroTech 18

Mr. Zantout's experience is extensive in hydrology, hydraulics, and water resources, as well as, numerical modeling and computer applications. He is proficient in finite element and finite difference applications of hydraulic and hydrological principles. Adel possesses an excellent working knowledge of analytical programs including HEC-1, HEC-2, DAMBREAK, UKPIPE NET, SWFHYD (NUDALLAS), HEC-HMS, HEC-RAS & RESOP II. Mr. Zantout has successfully applied Finite Element and Finite Difference techniques to Real Time Numerical Modeling of multiple hydrologic and hydraulic studies involving both surface and groundwater transient conditions.

He has served as City Engineer for Corinth, Richland Hills, St. Paul and Double Oak in the DFW Metroplex.

Significant Project Experience

- ***Drainage Master Plan - Copperas Cove, TX***
  Worked closely with City staff to develop a Comprehensive Storm Drainage Design Manual and citywide plan for the three major drainage basins. Project included cost, projections, and a timetable for implementing the adopted improvements, which included drop structures, channel, and bridge and culvert projects.

- ***West Fork Trinity River/East 1st Street Bridge Hydraulic Analysis/City of Fort Worth Engineering Department***
  Adapted HEC-2 model and combined LRD-1 model to form the base model. Hydraulic analyses of available options for the bridge structure, span, and grading in order to meet local, state, and federal requirements including the Texas Historical and US Army COE Commission performed.

- ***Newport Village – Fort Worth, TX***
  Prepared COE Section 404 permit and floodplain reclamation report involving channel re-alignment, trees, wetlands and wildlife. Further changes to the project necessitated site specific 404 permit and purchase of stream credits from a mitigation bank.

- ***Several Gas Well Pad Sites in DFW Metropolitan Area***
  Coordinated FEMA floodplain studies with City Staff involving hydrologic evaluation of peak rates of runoff; backwater computer modeling of base flood elevations; mitigation of project effects through structural measures; and overseeing Regional Permit 11 determinations relative to US Army Corps of Engineers Section 404 Permit.