



## **Chad A. Bacas, P.E.**

*Project Manager*



Active firm member since 1996  
With other firms: 1.0

Bachelor of Science/1995/Civil Engineering  
M.B.A./2001/Business Administration

Active registration: Year First Registered: 2000  
Branch: Civil LA License No. 28786

Mr. Bacas has proved himself to be a very valuable member of our firm. He has participated in a variety of projects from design through construction to final project closeout.

Mr. Bacas offers the following skills in Civil Engineering Design:

- Water Treatment and Water Distribution design including ground and elevated storage and fire water capacity.
- Wastewater Collection and Wastewater Treatment including SBR Treatment Plants and Extended Aeration Plant design.
- Roadway Design including rural and urban roadways to State and Federal Guidelines.
- Pavement Evaluation and Design to meet State and Federal Guidelines.
- Drainage Design including both open and sub-surface drainage systems.
- Global Information System (GIS) capabilities.
- Civil Site Work design including all utilities, drainage, site layout and planning.
- Infrastructure design for Correctional Facilities including Parish, State and Federal design standards.
- Subdivision Design including small re-subdivisions to multi acre developments including all associated civil sitework to service the development.

Mr. Bacas offers the following software skills:

- AutoCAD
- Eagle Point
- Microsoft Office including Word, Excel, Access, PowerPoint and Project
- Haestad Methods Culvert Master, Flowmaster and Watercad
- DHI software (water system program)
- LA DOTD hydraulic programs (HydrWint, detention pond)
- HECRAS hydraulic program
- Macromedia Dreamweaver (website development)