**DETAILED EXPERIENCE OF Mr. JAMES L. MARK-(IGE), MSCE, PE**

With 30 plus years of experience, Mr. Mark, a professional engineer, has served as design engineer, project manager, program Manager, and Senior Manager-in-charge on **major engineering and** **construction projects; roads and highways, water and wastewater, site engineering (site development projects) and Construction Management.** Mr. Mark currently serves as Principal-In– Charge of Advance Engineering and Construction, L.L.C. This company is geared towards design and construction of civil engineering projects. He is involve with day to day activities of the firm. Mr. Mark started his career as a young engineer, designing highway engineering and site development projects including storm water construction management. He worked on Jedico subdivision and Ryan restaurant projects in clayton county and many other site engineering projects. In this capacity, Mr. Mark designed the grading and drainage plans including performing field survey work. He also worked on major highway engineering projects; Suthland Parkway in Virginia a four lanes highway and armory plaza roadway and ramp design. Mr. Mark designed all the elements of these projects (vertical and horizontal layout, drainage and cross -section, and quantity take-off. While working in Fulton County, (23 years) Mr. Mark worked as Civil Engineer I, Civil Engineer II (Project Manager) and Program Manager (Senior Manager in charge of the Fulton County Collection Systems. Mr. Mark worked on many major water and waste water design and construction projects (Chattahoochee Pump Station, State Bridge Road Water design and Construction, Jett Road Sewer Construction), including overseeing the maintenance section and the Capacity Management and Operation and Maintenance (CMOM) unit of the collection system. At this capacity, Mr. Mark worked on the hydraulic modelling of Fulton County System. Worked on DeKalb County Project Management under AECOM Program Management Team.

**Representative Projects**

**Water and Wastewater Projects:**

State Bridge Road 12-Inch Water Line Design and ConstructionProject, Alpharetta, Georgia – Estimated Construction Cost- 4 million dollars.

Managed [Chattahoochee III Pumping Station Design and Construction Project, Alpharetta, GA](http://www.croyengineering.com/project/cobb-county-northwest-corridor-alternatives-analysis-study/) - Estimated Construction Cost-2.5 million dollars

[Jett Road Sewer Construction Project,Roswell, Georgia](http://www.croyengineering.com/project/cobb-county-northwest-corridor-alternatives-analysis-study/) Estimated Construction Cost -1 million dollars

[Azalea Drive gravity and Force-main ConstructionProject](http://www.croyengineering.com/project/cobb-county-northwest-corridor-alternatives-analysis-study/) Estimated amount -5 million dollars

[Hydraulic Modelling of Fulton county Collection Systems](http://www.croyengineering.com/project/cobb-county-northwest-corridor-alternatives-analysis-study/) Estimated amount -2 million dollars

Participated in the Atlanta Drainage Study. This was a multimillion dollar contract to evaluate the entire city drainage system. The project included evaluation and recommendation of various ways to curb water problems in the city - Estimated amount -12 million dollars

Involved in the subsurface investigation of an aquifer in South Africa for the South Africa Department of Economic Development. This was a multimillion dollar project to study and analyzed the Cape Coast Water System. Conducted. Estimated amount -30 million dollars

[**Highway Engineering Projects:**](http://www.croyengineering.com/project/cobb-county-northwest-corridor-alternatives-analysis-study/)

Designed the Suthland Parkway Interstate Project in Smith County Maryland. Designed the alignment, plan and profile, cross section and earthwork calculations. Estimated amount -10 million dollars

[Armory Plaza Roadway and Ramp Design Project, Washington, DC](http://www.croyengineering.com/project/cobb-county-northwest-corridor-alternatives-analysis-study/) - Estimated amount -6 million dollars

Designed temporary construction detention ponds for Route #3 project for the Virginia Department of Transportation as part of the erosion and sediment control plan. Estimated amount -8 million dollars

Provided engineer's cost estimates for the project, designed the alignment, profiles and hydraulic design for the three tunnels associated with this project. This included an alternative evaluation of options for the most economical design. Estimated amount -1 million

Worked on several Georgia DOT two lane roadways while working for Lowe Engineers Estimated Construction Cost-12 million dollars.

[**Site Engineering (Site Engineering):**](http://www.croyengineering.com/project/cobb-county-northwest-corridor-alternatives-analysis-study/)

[Ryan Restaurant Site Development Project, Jonesboro, Georgia](http://www.croyengineering.com/project/cobb-county-northwest-corridor-alternatives-analysis-study/) Estimated Construction Cost -2 million dollars

[Jedico Subdivision Project, Jonesboro, Georgia](http://www.croyengineering.com/project/cobb-county-northwest-corridor-alternatives-analysis-study/) Estimated Construction Cost -1 million

Designed site engineering of The Redeemed Christian Church of God in Snellville, Georgia Estimated Construction Cost - 800, 000 dollars

Managed the design and construction of The Redeemed Christian Church of God Family Chapel. Estimated Construction -1.5 million dollars.

**Certification:**

Registered Professional Engineer (PE)

States of Georgia and Virginia

**Education:**

Candidate of Doctor of Philosophy (2019)

Mississippi State University

Masters of Science in Civil Engineering

Kennesaw State University

Bachelor of Science (Tech) in Civil Engineering

Savannah State University