

PROFESSIONAL PROFILE

John J. Smarge, C.G.C.

**Construction & Constructability Engineer
Senior Estimator**

Education: 1961-1963 Civil Engineering
1953 Business and Construction Law
1948 Engineering Drafting
1947 Industrial Drafting
1944 Aviation Cadet Training/Military

Professional Registration: 1987/Certified General Contractor **Florida CGC #027739**
1987/General Engineering Construction Builder **Broward County, Florida #33408000**
1987/Certificate of Eligibility, Engineering Construction **Dade County, Florida #84-871**
All registrations are current

Qualifications: I have over 45 years of experience in the transportation and land development contracting business. I owned a heavy construction company in the metropolitan area of Washington, D.C. for 27 years. My construction background in highways, bridges, movable bridges, water and wastewater treatment facilities, land development and marine and airport construction provides me with the depth of field expertise required for specialized engineering analysis. My experience includes preparation/analysis of cost estimates; constructability and biddability reviews; contract and claims review and negotiation; and project inspections. I have served as an estimator and project schedule and constructability engineer on the I-95 HOV lanes reconstruction projects in Broward and Palm Beach Counties, Florida which include the Davie/Broward Boulevard interchanges (G/J Project). I am presently a construction specialist for the Florida Department of Transportation (FDOT) District IV & V District-Wide Constructability/Biddability Review Contracts.

Experience with MKCentennial since 1988: **District-Wide General CEI Consultant - FDOT District IV; Martin and Palm Beach Counties, Florida.** Construction specialist for this general consultant services project related to construction engineering and inspection. The scope of services included final plan reviews, claims reviews, final estimate audits, and determinations of construction durations. This work order based contract featured a constructability review and time estimation for the Evans Crary Bridge - a 909-meter long, high-level segmental bridge in Stuart, Florida; constructability and biddability review of the plans for I-95/Okeechobee Road Interchange in West Palm Beach, Florida; as well as the 17th Street Causeway Bridge in Ft. Lauderdale.

I-95 Over FECRR and US 1 - Bridge Widening Design; Volusia County, Florida. Construction specialist for this project involving the design for widening the I-95 AASHTO girder bridges over the FECRR and US 1. The project location on I-95 begins 1.2 miles north of SR 40 and proceeds to the Flagler County line.

Florida's Turnpike Bridge Over CSXRR and SR 710; Palm Beach County, Florida. Construction specialist for this project involving the rehabilitation of Florida Turnpike's Bridge over CSXRR and SR 710, a 355-foot long, steel girder (over CSXRR) and prestressed AASHTO girder (over SR 710) bridge. Work included replacing expansion joints and bearings; hydro blasting deck and replacing it with reprofiled concrete surface with continuous deck for each three-span unit; and a Traffic Control Plan for the repairs to be completed.

Thomas B. Manuel Bridge Over St. Lucie Canal; Martin County, Florida. Construction specialist for this project involving the rehabilitation of Florida Turnpike's Thomas B. Manuel Bridge, a 3,200-foot long, high level bridge over the St. Lucie Canal. Work included replacing expansion joints and bearings; adding safety shape barrier to outside railings; cross slope correction on the approaching roadway; improving the shoulder drainage collection system on bridge approaches; and adding erosion protection to eroded banks of the St. Lucie Canal under the bridge.

District-Wide Constructability/Biddability Review #4 - FDOT District V; Central Florida. Construction specialist for this project involving the review of highway and bridge plans at various stages of development for constructability and biddability issues. Reviews focused on the clearness and conciseness of the plans, adequate pay items for the work, accuracy of quantities, proper construction sequencing, construction durations, utility conflicts, adequate work space, construction equipment ingress/egress and working space, confirmation of field conditions, traffic control concepts, and environmental compliance (erosion control). In general, MK Centennial was to review the plans with the goal of eliminating potential contractor claims.

SR 9A/I-95 Noise Walls from SR 112 to the Broward County Line; Dade County, Florida. Construction specialist for this project involving the development of a preliminary engineering report which determined the feasibility of the noise wall as proposed in the design concept report.

Bridge Reconstruction Projects - FDOT District V Claims Review; Deland, Florida. I provided claims review on two bascule bridge reconstruction projects in FDOT District V. MK Centennial was retained by FDOT to evaluate contractor claims which included review of project correspondence, review of construction plans and specifications, interviews with construction personnel, and preparation of a report advising FDOT on the validity of the claim.

District-Wide Constructability/Biddability Review Contract, FDOT District V; Florida. Construction specialist performing constructability and biddability reviews as an extension of the District's Construction Quality Control group. Roadway and bridge design plans were reviewed at various stages of development along with special provisions, quantity calculations, and pay item lists to identify and minimize potential construction problems and claims. Forty reviews were performed in just over six months and all reviews were delivered on schedule.

General Consultant for Final Plans Review, Florida Department of Transportation (FDOT) District IV; Broward County, Florida. My responsibilities included reviewing constructability and biddability issues for roadway and bridge construction under a contract with FDOT District IV as a general consultant for final plans review. Over 160 projects were reviewed for constructability, biddability, and adherence to FDOT and AASHTO criteria and standards. All reviews were delivered on schedule.

Sena Bridge Design Review; Mozambique, Africa. I assisted with the review of the failure and collapse of derricks which were used in erecting the damaged truss spans. I reviewed the contractor's design for the hoisting and jacking operation needed to repair a three-kilometer, multi-span truss bridge over the Zambesi River in Mozambique. I Assisted in preparing a new design for the erection of the damaged truss spans.

Sena Bridge Claims Investigation and Analysis; Mozambique, Africa. I went to Africa and investigated a \$6.7 million claim which the contractor filed against the Mozambique Government, the Designer and USAID. The claim included delays due to design changes and incomplete information. I developed a 32 page report which determined responsible parties and the percentage of delay attributable to each party. I recommended a negotiated settlement which all parties were in agreement with.

I-95 G/J Package; Ft. Lauderdale, Florida. Senior estimator responsible for preparing constructability review analysis of contractor claims as to cost and time for the I-95 "G/J" Package for the Florida Department of Transportation (FDOT), District IV. I prepared quantity take-off, cost estimates, construction schedules, and negotiations for supplemental agreements. I also performed constructability and biddability review of plans for District IV; prepared construction duration schedules; and analyzed contractor claims as to findings, conclusions, and recommendations.

I-95 HOV Lanes Rehabilitation; Broward and Palm Beach Counties, Florida. Construction specialist responsible for conducting the preliminary review of policy and procedures. I prepared the preliminary review to determine design packaging for bidding and construction; the preliminary review for the advanced material procurement contract on material items that might have a direct and immediate impact on construction schedules; and the quantity take-off and time schedules for all construction packages. I assisted in the formulation of the computerized construction schedules and the constructability reviews and reports on all construction packages. I prepared the time schedule, constructability review, biddability review, and reports for the sound barrier wall construction package. I prepared cost estimates, quantity take-off, and construction schedules for miscellaneous minor projects connected with or added to the mainline projects.

**Achievements &
Awards**

President Public Works Contractors Association of the Greater Washington Area
1953 - 1957
Curriculum Committee - Construction and Mechanical Technology Prince George's
Community College, Largo Md 1967 - 1972
President Maryland Baptist Convention Brotherhood 1971 - 1973
Chairman Brotherhood Commission Southern Baptist Convention 1972 - 1974
Trustee Award Outstanding Christian Service Brotherhood 1977
Award of Merit, Editor of Regional Publications Antique Automobile Club of
America, 1963.
