

**Graduate** Four (4) page Resume 7/31/07

University of Florida, Bachelor of Building Construction, BBC (1959)

State License for Cost Engineer, 1968

American Association Cost Engineering – International (AACE) Certified Cost Engineer, Sept. 1976- 2009

President Con\$trUction Co\$t Con\$ultant, Inc. (CCCI) 1996 to present

**Goal – Desired Position**

Aerospace Construction Facilities and GSE Staff Consultant and Cost Engineering, Certified Cost Engineer, Project Engineer, Project Manager, Staff Consultant, Management Overview, Construction, Cost Estimator, Change Order, Claims Specialist, Negotiator, continued Successful Bidding and Proposals. Prepares and review Aerospace Conceptual and Detailed Estimates and Cost Engineering for Constellation Program to the Moon and Mars and Solar Space Power Satellite Systems. Seminar Leader for 9 unique aerospace seminars.

**Summary of Qualifications**

Over 40 years of successful constructing, bidding, proposals, building, planning, programming, scheduling, and cost engineering of commercial, industrial, and complex aerospace facilities for office warehouses to Apollo, Titan, Space Shuttle, Space Station, and Constellation Facilities as construction, structural engineer, and project manager. Management of 3-40 construction personnel for over 20 construction projects including design, design-build, and construction management. Over \$30 billion of cost estimates prepared, reviewed, and bid.

Internationally recognized as The Expert certified Cost Engineer for Aerospace Construction/Ground Support Equipment (GSE). Outstanding performance cost engineering under budget, timely cost estimating ahead of schedule on over 1200 bid projects for over \$1 Billion of bidding for conceptual budget. Preliminary Engineering Report (PER) detail and schedule cost estimation. Responsible for development of government/Kennedy Space Center (KSC) overall pricing policy for aerospace construction and ground support equipment guidelines for fair and reasonable government estimates of work at Kennedy Space Center, Cape Canaveral Air Force Station (CCAFS) and various other sites in the United States and Africa.

Expert consultant to Kennedy Space Center and other agencies in cost engineering, Computer Aided Design (CAD)/estimating, contracting, location factors, labor productivity, escalation, wage rates. Architectural & Engineer Aerospace studies. Advanced Launch Vehicles (ALV's) Air Force, Navy, Army, National Aeronautics & Space Administration (NASA) support contractors (Lockheed, Boeing, Rockwell, EG&G, PRC, and McDonnell Douglas Space Systems Company (MDSSC). In many cases saving time and money for contractor's claims and potential claims through outstanding experience in cost estimating analysis and cost engineering credentials – certified cost engineer, American Association of Cost Engineering – International (AACE) Fellow, 31st and youngest of over 60 fellows with international recognition. Specialized knowledge and experience of multi-discipline interfaces of conceptual through launch of aerospace projects with engineering. KSC contractors, and other government agencies. Technical manager of support contractor cost engineering.

**Career History**

1962 to PRESENT – CERTIFIED COST ENGINEER , CONSULTANT, LECTURER, WRITER, VIDEOS, SEMINAR LEADER, PRESIDENT CONSTRUCTION COST CONSULTANT, INC. , 1996 PRESENT. I do consulting, estimating, quantity survey and bidding for general and sub-contractors, owners, appraisers, and developers of buildings for commercial, industrial, and residential apartment complexes. These buildings are throughout Florida, Georgia, Alabama, and Guam, I also do consulting work for schools, offices, churches, and apartments. As a consultant, I aided the successful construction claim for the Walt Disney World Contemporary

Resort Hotel in Orlando, Florida. I also lecture, teach, and have written over 50 technical papers covering various subjects, including cost engineering, etc. Author of twelve volumes of construction books used in 49 technical seminars and additional college courses. Over 25 Videos, DVD's, CD-ROM's produced Construction Videos, Low Bidders, Estimating, Bid Strategy, and Cost Data.

**1996 – 2005 – SENIOR ENGINEER – LOCKHEED MARTIN/USA COST ENGINEERING CONSULTANT.**

Teaching cost engineering seminars, over \$7 Billion estimates prepared and/or reviewed. EELV successful bid team member. Aided in developing nine Microsoft Excel computer cost estimating programs, cost control and cost estimating processes. Also Computerized Cost Escalation Program 1974 - 2020.

**1974 – JAN 30, 1995 (GS 13/14) – NATIONAL AERONAUTICS & SPACE ADMINISTRATION (NASA), KENNEDY SPACE CENTER (KSC), LEAD COST ENGINEER, SENIOR ADVISOR & COORDINATOR FOR DEVELOPMENT OF COST ENGINEERING AND ESTIMATING FOR KENNEDY SPACE CENTER (KSC) FACILITIES AND EQUIPMENT.**

Management overview of cost engineering for construction and Ground Support Equipment (GSE). Developed and created necessary tools and methods to ensure accurate and timely cost estimates and cost engineering. KSC monthly cost index for projecting and measuring escalation, 5 Aerospace Price books for budgeting and conceptual estimates of future programs, an abstract of bid summaries of over 1,000 projects for over \$900 Million, with over 7,000 bids estimating and cost engineering specifications for construction and GSE. Design conceptual cost estimating systems for government aerospace facilities, including recent advanced launch system for \$3.5 billion. New facilities, cost management teamwork policy for construction management of successful aerospace launch facilities for Apollo, Space Shuttle, and Space Station, including the \$350 Million Space Station Processing Facility (SSPF). Project Management of Support Contractors, A&E's, Designers, Engineer's, Cost Engineering, Cost Estimating, over 7000 estimates, 5 vols Cost Data books (Annual Editions), 240 Cost Indexes, Cost Design Studies, 10 projects, 4 estimating specifications, etc.

**1967 – 1974 (GS 12) – NATIONAL AERONAUTICS SPACE ADMINISTRATION (NASA)/KSC,**

**AEROSPACE TECHNOLOGIST.** Prepared and reviewed government and support estimates for contracts, plans, and specifications. Negotiated with general and sub-contractors of general and missile launch facilities using Critical Path Method (CPM) evaluations for job scheduling and modifications. Over \$7.5 billion of estimates prepared and reviewed - architectural, structural, civil, electrical, and mechanical estimating (including the world's largest building – the Vehicle Assembly Building [VAB]) at Kennedy Space Center, Florida. Also includes 6 shuttle facility landing sites.

**1963 – 1967 - GS7/11 U. S. Army Corps of Engineers – Civil/Structural Engineers.** Prepare and review construction cost estimates for plans and specifications. Negotiated with general and sub-contractors of general and missile launch facilities using CPM evaluations for job scheduling and modification. Over \$55,000,000 of estimates prepared and reviewed, including the VAB, detail estimating, and construction. Project Management, 2 Parish's (Counties) New Orleans with commendation.

**1958 – 1963 – A.L. CLAYTON COMPANY, CONSTRUCTION ENGINEER/ESTIMATOR**

General Contractor – Professional Engineering Company – cost estimating, supervision, management and architectural and structural design of single and multi-story construction. Over \$7,000,000 of estimates prepared for \$2,300,000 of construction and rehab (a highly successful ratio). The estimates included: churches, schools, shopping centers, stores, warehouses, banks, and offices, etc., Design/Build & Construction Management (CM). Project Manager of schools, testing laboratory, and misc. projects.

### **Awards**

American Association Cost Engineering's (AACE) Fellow Award and the prestigious astronaut's "Silver Snoopy" for professional excellence and contributions to the success of the manned space efforts. In October 1988, the recipient of the Design Engineering Outstanding Performance Award. The Kennedy Space Center (KSC) Federal Employee of the Year in 1972, and the Society of American Military Engineers, Canaveral Post, "Engineer of the Year," January 1973. A National Aeronautical Space Administration (NASA) Commendation in 1991, and the Charlie V. Keane Distinguished Service Award in 1991, CCTS Engineering Achievement Award – 1998, AACEI Honorary Life Member – June 1999, Con\$trUction Co\$T Con\$ultant, Inc., wins Governor Bush's "Project Award" for "Low Bidder" video, August 31, 2000. And "USA On-the-Spot Award" 10/8/02, "Exception Service Award" for USA Space Program 10/28/05, Who's Who, Google, Space Pioneer's 1963.

### **Why Me?**

I wish to help your company develop/improve their cost engineer capability, improve design, construction and Ground Support Equipment (GSE) activities, planning, and scheduling, to boost the company performance, fee, bidding, and proposals. I am for an accelerated Space Exploration Program with two new multi-trillion dollar industries, Helium 3, Solar Electrical Power Satellites for USA's Diversified Energy Independence (DEI).

### **Personal**

Born – Washington, D.C. – 1934 – Married – 1961 to present  
NASA KSC secret clearance (clearance held for 25 years)  
e-mail – [jbrown13@cfl.rr.com](mailto:jbrown13@cfl.rr.com) [lobiddervideo@cfl.rr.com](mailto:lobiddervideo@cfl.rr.com) website – [www.lobiddervideo.com](http://www.lobiddervideo.com)

### **References** Available on request

### **Technical Papers** A few of over 50 papers are listed below.

1. The Challenges in Developing Computer Aided Design (CAD) Automatic/Cost Estimating (Paris)
2. Aerospace Construction Price Book for Construction Management (London)
3. Construction Government Bid Estimate vs. General Contractors Bid Estimates
4. Manual & Computer Estimating Trends
5. Construction Cost Escalation & Labor Productivity (Montreal)
6. Construction Cost Control After Bidding
7. How to Sharpen Your Bidding
8. How Does the Low Bidder Get Low and Make Money
9. Government Conceptual Estimating for Contracting & Management
10. Aerospace Construction Estimating – First Word Cost Engineering Congress
11. Estimation & Bidding – Space Station Processing Facilities & Cost Analysis
12. 240 Cost Indexes and Inflation
13. New Exciting Aerospace Construction Cost Estimating Tools, AACE Internal at Vancouver, Canada
14. Cost Alert Facilities GSE, July 2007, Nashville, TN. AACE International
15. Two Cost Engineering Dream Scenario's for Space Exploration, Helium 3, Solar Electrical Powered Satellites, July 2007, Orlando, FL
16. Construction Cost Escalation for Facilities, GSE, and New Estimating Tools for Constellation Program, Space Congress, Florida Solar Center, 4/27/2007

**GSS/NASA/SEI - JAB UNIQUE COST ENGINEERING SEMINARS**

**Seminar #1:** Introduction to Cost Estimating which covers Government and Contractor's mark-ups, Estimating the Cost of Design and Estimating, Cost Estimating Specification G0002, and Budget Cost Assessment. 4 Seminars, 12/20/04. (AACE 1.3 recertification credits\*)

**Seminar #2:** Detailed Cost Estimating for Architectural Structural, Civil Mechanical and Electrical, Pricing, Bid Strategy, Labor Productivity, Low Bidders, and Conceptual Estimating. 4 Seminars, 3/25/05 (AACE 1.9 credits\*)

**Seminar #3:** Cost Engineering Construction Management and Computer Estimating which covers Cost Control, Planning and Scheduling, CPM, PERT - Microsoft Project, Value Engineering, Cost Escalation, Project Management, Change Orders, Prevention and Negotiations Manual and Computer Estimating, CAD Estimating CAD/AACE, and The Impact of CAD on Cost Engineering. 3 Seminars, 7/22/05, (AACE 2.4 recert. credits\*)

**Seminar #4:** This seminar is titled Aerospace Construction & GSE Cost Estimating covering Government, Contractors & Aerospace Estimating & Bidding Estimating Overview, 50 Tools & Spin-Offs, Ground Support Equipment Cost & Installation & Estimating Specification, Cost Analysis, KSC Cost Index, Escalation, and Use in Conceptual Estimating & Computerized Excel 1510. SSPF Analysis & GSE, Low Bidder Bidding & Analysis. Including Fiber Optics Costs and Pneumatic Remote Control Panels. 3 Seminars, 9/22/05, (AACE 2.4 recert. credits\*)

**Seminar #5:** This seminar is titled: Aerospace/GSE Mini Compact Seminar covering Design Costs, Mark-Ups, KSC Cost Index, Escalation Charts, Estimating Templates, Tools, Spin-off, etc. (for those who didn't have time to take Seminar I-IV.) (AACE 1.2 credits\* 6/10/02) 1 Seminar, 7/30/02 and "On the Spot Award" given by GSS Project Manager.

**Seminar #6:** Aerospace Futuristic Cost Engineering - NASA/Space Worker Engineering SEI - Pre-conceptual Cost Estimating for Next Generation Space Launch Vehicles - Including GSE, Activation, Assembly, Processing Payloads and Checkout Facilities - For 15 hours - Completed Oct. 2003. (AACE 1.5 credit\*) By CCCI Contract.

**Seminar #7:** "Understanding Florida Bidding Process" Cost Engineering, Estimating, Bidding Strategy and Analysis. Lorman Seminar, 6/28/06, Sarasota, Florida, JAB Vol. 20.

**Seminar #8:** Government, Contractor and Computer Cost Engineering for A & E's, Estimators, PM's, Designers, 12-24 hrs. Being Planned, JAB Vol. 21.

**Seminar #9:** Planning & Scheduling CPM/PERT for Aerospace Cost Engineering - for Designers, Engineers, PM's, Estimators, 12-24 hrs. Being Planned, JAB Vol 22.



\*ref-AACE Letter 10/19/04 S.J. Willard