George O. Okere, PhD, CCP, M.ASCE

Washington State University
School of Design and Construction
Dana Hall, EME 202F
PO Box 642220
Pullman, WA 99164-2220

Phone: 509-335-7583
Email: george.okere@sdc.wsu.edu

Curriculum Vitae

EDUCATION

PhD	Indiana State University, Terre Haute, Indiana, 2012 Major: Technology Management (Construction Management)
MS	Florida International University, Florida, 2006 Major: Construction Management
BS	California State University Sacramento, California, 2002 Major: Construction Management
HND	Yaba College of Technology, Lagos State, Nigeria, 1991 Major: Building Technology
OND	Federal Polytechnic Ilaro, Ogun State, Nigeria, 1988 Major: Building Technology

PROFESSIONAL ASSOCIATION MEMBERSHIP AND CERTIFICATION

PMI (Project Management Institute) - Member
AACE (Association for Advancement of Cost Engineering) International - Certified Cost Professional (CCP)
DBIA (Design Build Institute of America) – Member
ASEE (American Society for Engineering Education) – Member
ASCE (American Society of Civil Engineers) - Member

PROFESSIONAL DEVELOPMENT

August 2015	A National Effective Teaching Training on *Effective College Teaching (Cooperative Learning)*

GRANT(S) FUNDED

2017	PI: Okere, G. 2017. An –In-Depth Study to Categorize Pacific Northwest Highway Project Types as a Way to Enhance Future Investigative Study on Contract Administration Practices and Performance – PacTrans (Pacific NW Transportation Consortium), $40,910. Project Duration - August 2017 to July 2019

GRANTS NOT FUNDED

2016	PI: Okere, G. 2016. An In-Depth Analysis to Characterize WSDOT Construction Cost Overruns and If in Alignment with Current Practice of Using 4% Contingency- WSDOT, $105,492
2015	PI: Okere, G. 2015. Instructional Technology and SharePoint at WSU: A Web-based Demonstration Lab – WSU New Faculty Seed Grant, $17,142
2009	PI: Dr. Ellingson, L. Co-PI: Okere, G. Dr. Kim, C. and Dr. Weng, C. 2009. Effective Programs of Systems to Effectively Minimize Backing Accidents in Construction Industry- The Center to Protect Workers' Rights (CPWS)

RESEARCH PROBLEM STATEMENT SUBMITTED FOR REVIEW

PUBLICATIONS (Books and Peer-reviewed Articles Published)

2017	Okere, G. O. (2017). Reliance and Reliability of Engineer's Estimate in Heavy Civil Projects. *Journal of Construction Economics and Building.* Vol. 17, Issue 2, p92-114.
2017	Okere, G. O. (2016). Barriers and Enablers of Effective Knowledge Management: A Case in the Construction Sector. *Electronic Journal of Knowledge Management (EJKM).* Volume 15, Issue 2, p85-97
2017	Okere, G. O & Kirk, M. (2017). Unique Approach in Teaching Heavy Civil Cost Estimating. Paper #18320, 2017 ASEE Annual Conference & Exposition, Columbus, Ohio.
2017	Okere, G. O. (2017). Change Happens: Implications on Contract Administration Practices and Policy. *AACE International Transactions,* CDR 2452.
2015	Okere, G. O. (2015). 4D and CPM Scheduling. *Journal of National Institute of Building Sciences.* Vol. 3, Issue 6, p14-16.
2013	Okere, G. O. (2013). How to Use Microsoft SharePoint 2013 on Construction Projects. CreateSpace, USA.
2010	Okere, G. O. (2010). The Elusive Goal of Consistently Meeting Contract Administration Objectives: A Conceptual Report. *Cost Engineering Journal.* Vol. 52, Issue 4, p24-29.
2010	Ofori-Boadu, A.N., Okere, G. and Kim, C (2010), BIM: Implementation Strategies and Future Implications. *International Journal of Project Planning and Finance*, Volume 1, Number 1, pp. 102-128.

PUBLICATIONS (Submitted for Peer-review)

2017	Okere, G. O. (2017). Evaluating the Allocation of Contingency Based on Project Types and Rate of Overruns. *Journal of Construction Management and Economics (JCME)*

PUBLICATIONS (Accepted Abstract)

PUBLICATIONS (Working Paper)

2017	Okere, O. G. (2017). Conceptual method for contract time determination on highway projects: An evaluation based on project types

TEACHING EXPERIENCE

2014 – Date	Assistant Professor, Construction Management, School of Design and Construction, Voiland College of Engineering and Architecture, Washington State University, Pullman Courses Include: CSTM 210 - Construction Materials and Methods CSTM 356 – Construction Earthwork and Equipment CSTM 462 – Construction Planning and Scheduling CSTM 466 – Heavy Civil Estimating CSTM 484 – Temporary Structures CE 466 - FE Exam Review – Construction Emphasis
2017 to Date	Affiliate Assistant Professor, Department of Civil and Environmental Engineering, Voiland College of Engineering and Architecture, Washington State University, Pullman
2007- 2014	Instructor, University of California Davis Extension (Construction Management Certificate Program) Course Taught: Project Scheduling and Management Instructional Development: Developed course materials and contents for Project Scheduling and Management

NEW COURSE DEVELOPMENT AND SYLLABUS

None at this time

GUEST LECTURE

Fall 2016	CSTM 254 – Construction Graphics; Topic: Heavy Civil Plan Reading for Roadway Projects.
Fall 2016	SDC 100 – The World of Design and Construction; Topic: How my work (research, service, or otherwise) relate directly or indirectly to the big idea of justice and doing good.
Fall 2015	SDC 100 – The World of Design and Construction; Topic: How my work (research, service, or otherwise) relate directly or indirectly to the big idea of justice and doing good.

Fall 2015	CSTM 102 - Introduction to Construction Management and the Built Environment; Topic: Construction industry sectors
Fall 2015	CSTM 102 - Introduction to Construction Management and the Built Environment; Topic: Introduction to planning and scheduling

GRADUATE STUDENT SUPERVISION

Summer 2015	Ahmad Kamyab	MS Civil Engineering

PROFESSIONAL PRESENTATIONS AND WORKSHOPS CONDUCTED

2010 – 2012	Workshops Conducted Current Practices (As-Is) Workshop, Requirements Gathering (To-Be) Workshop, and User Acceptance Testing Workshop
2007 – 2008	Presentations Conducted Cost and Revenue Projections (2008) - Part of Kiewit Senior Project Engineer Seminar for Project Engineers Quantities, Contract Revenue and Change Order (2008) - Part of Kiewit Engineering Vol. II Training for newly hired Engineers Change Management (2008) - Presented at Kiewit District Meeting for Project Engineers and Business Managers Change Management (2007) - Presented at Kiewit District Meeting for Project Engineers and Business Managers

RESEARCH INTERESTS

Contract change is a word that project owners and general contractors don't want to hear, and we can all agree that changes are disruptive. However, the bad taste that practitioners feel when it comes to changes may not necessarily be because there are changes to a contract - which in fact is an inherent part of doing business, but the bad taste could be related to how the contract is administered before, during and after a change is encountered.
In my most recent research project (PhD dissertation) on contract administration, I looked at contract administration practices of general contractors on state DOT projects, and sought to understand the factors that are related to effective contract administration practices. As such, my research aims to find solutions to some of the management problems faced by state DOTs in the area of contract administration. Contract administration as an important area of research is in line with one of the types of funded research by state DOTs as categorized under research, development and implementation of management systems. My goal is to continue research in the area of contract administration, and seek to work with WSDOT on contract administration practices, and other directly related areas.

SERVICE

- Heavy Civil Team Coach for the Associated Schools of Construction (ASC) Regional Student Competition in Sparks NV

- Reviewer, International Journal of Construction Education and Research
- Reviewer. Journal of Construction Economics and Building
- Member, Curriculum Review Committee for the WSU Construction Engineering Program.
- Mentor for Civil Engineering students assigned to work on the construction aspects of the senior design project
- AACE Planning and Scheduling Subcommittee Member
- Claims and Dispute Resolution Subcommittee Member
- AACE Academic SIG
- AACE Government and Public Works SIG
- AACE Construction SIG

CONSTRUCTION INDUSTRY EXPERIENCE

KIEWIT EXPERIENCE – 2003 to 2014

- ✓ **Project Scheduler** (February 2014 – June 2014), Presidio Parkway Project, San Francisco, California. A design-build JV project with Flatiron and Kiewit as the contractor, and HNTB as the designer. The main features of work on this project include: tunnels, bridges, retaining walls, roads, substation, and soil treatment using CDSM method.
  Responsible for monthly CPM schedule update, and preparation of TIAs. Duties also include preparation of weekly look-ahead schedule.
- ✓ **Project Scheduler** (February 2013 – February 2014), Crystal Springs and San Andreas Water Transmission Project, San Mateo, California, a design-bid-build project. The main features of wok on this project include: pump station, existing pipeline rehabilitation, and reconstruction of the outlet structures.
  Responsible for monthly CPM schedule maintenance and preparation of TIAs. Duties also include preparation of weekly look-ahead schedule, and processing of monthly payment application.
- ✓ **Task Force Lead** (September 2010 - February 2013), KieCore – ERP Project, Omaha, Nebraska
  Responsible for functional requirements, design, development and provisioning of SharePoint for project use.
  The project was Kiewit's first time of building an integrated ERP platform with SAP, SharePoint and other systems
- ✓ **Subcontract Manager** (September 2009 – September 2010), Kearl Oil Sands Project –Froth Treatment Plant and Flare Area, Fort McMurray, Alberta, Canada, an EPC project that consist of several off-site fabricated and site installed modules.
  Responsible for ensuring that procurement process is cost-effective, timely and in compliance with the project's socio-economic guidelines for subcontracts.
  The project involved the construction of the froth plant for purpose extraction and treatment of bitumen from oil sand to a sufficient level where it can be piped to other refineries for further processing and upgrading.

- ✓ **Project Baseline Schedule Design Lead** (April 2009 – September 2009), I-405 Widening and Reconstruction Project, Los Angeles, California, a design-build project with Kiewit as the contractor and HNTB as the designer.
  Responsible for design and development of the baseline schedule.
  The project involved the addition of HOV lanes to I-405, demolition of several overpass bridges and construction of new bridges
- ✓ **Estimator** (January 2009 – April 2009), on several cost estimates at the district office
- ✓ **Change Order Cost Estimator** to Support Contract Administration (May 2008 – January 2009), Waste Water Treatment Plant, Bakersfield, California
  Responsible for pricing out the cost of changes made to the cogeneration plant as well as pricing out several other change orders.
  The project involved the expansion of an existing waste water treatment plant
- ✓ **Estimator** (January 2008 – April 2008) on several cost estimates at the district office
- ✓ **Project Engineer** (January 2005 – December 2007), Benicia Segmental Cast-in-Place Box Girder Bridge (1.6 mile), Benicia, California, a design-bid-build project
  Responsible for supporting field operations, managing shop drawings, control and distribution of contract document & correspondence, tracking and reporting on job progress, managing daily extra work and change orders, maintaining control budget, tracking and projecting costs, project schedule review, preparing Field Operation Reports/Job Reports, and maintaining good owner relations.
  The project involved the construction of a new bridge over the Carquinez strait.
- ✓ **Scheduler** (August 2003 – January 2005), Folsom LRT, Folsom, CA (7.2 mile Light Rail), a design-bid-build project
  Responsible for design, development and management of the project schedule to include baseline, update and TIAs
  The project involved the construction of light rail system
- ✓ **Precast Plant Production Engineer** (February 2003 – June 2003), Kie-Con Pre-cast Yard, Antioch, California
  Responsible for managing the plant's CPM schedule, takeoff for permanent material, procurement, coordination of product casting drawing, production ticket, daily pour schedule, and daily cost report
  This is a Kiewit precast plant capable of producing precast products that include concrete piles, concrete beams/girders, concrete columns, concrete slabs and walls, precast box girders, and other project-specific precast members.
- ✓ **Quantity Takeoff Engineer** (January 2003 – February 2003) prepare takeoffs on various cost estimates at the district office

EAI EXPERIENCE – 1999 to 2002

Duties performed and experiences gained were in the areas of cost estimation of projects, submittal management, material procurement, civil and architectural design, site supervision, and project management.
Projects Worked on at EAI Include:

- ✓ GSA BUILDING Window Washer/Wind Deflector UPGRADE – The client was the General Services Agencies (GSA), and the contract included the environmental asbestos removal of paint on the window washing steel rail system and wind deflection unit for building air conditioning unit, structural steel reinforcement and

replacement of both the steel rail system and wind deflection unit, final painting and weather coating of both items, and retrofitting existing window washing unit itself.

- ✓ RESERVOIR AND PUMP STATION – The client was the US Forest Service. The contract included the design and building of a fire water suppression system for the existing building. This included a 450 horse power 2500 gallon per minute pump and 8" pipe distribution system throughout the building site and connected to a new city water tank.

- ✓ CRESENT CITY NATIONAL PARK UTILITY REHABILITATION – The client was the US Park Service and the contract included the remodel of eight existing structures, upgrading utility lines and connections, and general civil road improvements.

- ✓ SOUTH SACRAMENTO FLOOD CONTROL DESIGN – The client was the US Army Corp of Engineers and the contract included the design and construction of 17.45 miles of five different tributary creeks in South Sacramento Pock Area. The flood walls included the design of and building of four to six foot high walls along the five different creeks.

- ✓ LANDSCAPING DESIGN AND CONSTRUCTION- US FOREST SERVICE MARE ISLAND – The contract included the design and construction of the landscaping system.

- ✓ CAMP ROBERT LATRINE STRUCTURES – The client was the US Army Corp of Engineers. The contract work included the design and building of two (2) latrines at the base training camp. The design included all the civil and surveying of the two sites and construction of both facilities.

- ✓ TRAVIS AIR FORCE BASE HAZMART FACILITY REHABILITATION DESIGN – The client was the US Air Force Department of Defense. The contract included the complete survey and design of two hazmart facilities used to transport hazardous materials through the Travis Air Base in Fairfield, California. The design included the detailed epoxy coating requirements for protecting the concrete surfaces from hazardous material to withstand the weathering from the sun.

- ✓ FIRE MANAGEMENT PLAN FOR FORT HUNTER LIGGETT – The US Army was the client. The contract included the design and writing of a detailed fire management plan for the entire base.

- ✓ BEALE AIR FORCE BASE TREATMENT PLANT RETROFIT – The client was the US Air Force Department of Defense. The contract included the design and build of the existing 1949 Waste Water Treatment Plant for the Base. Both sludge tanks and piping distributions systems were designed and build to updated codes.

- ✓ USS ARCO – The client was the US Navy. The contract included the dredging of the shipping dock for the nuclear submarine USS Arco and the San Diego Navy Base.
- ✓ NEW MELONES DAM – The client was the US Bureau of Reclamations and the contract included the construction of new hydraulic oil containments for two existing structure at the dam site.
- ✓ RAVENSWOOD SCHOOL BUS PARKING LOT – The client was the Ravenswood School District. The contract work included the design and construction of 40,000 square feet of new concrete parking at the maintenance facility.
- ✓ UNION 76 – Client was Stu Lambert. The contract included the construction of a mini mart gas station and car wash facility.
- ✓ CAMBRDGE RESERVOIR AND PUMP STATION – The client was Seeno Homes. The contract included the construction of a 250,000 gallon water tank and pump station for the 450 future homes in the third and final phase of the development.

1995 – 1998	CFC Construction Company, Jamaica, W.I. Duties performed and experiences gained were in the areas of construction layout, site supervision, equipment & material logistics, and coordination of subcontractors
1994 – 1995	Gabalin Nig. Ltd., Nigeria Duties performed and experiences gained were in the areas of construction layout, site supervision, and equipment & material logistics
1992 – 1994	Ali Ahmed Nig. Ltd., Nigeria Duties performed and experiences gained were in the areas of construction layout, site supervision, and equipment & material logistics
1991 – 1992	Julius Berger Nig. PLC, Nigeria Duties performed and experiences gained were in the areas of concrete and soil testing