

Eliborio Pena, MS, EIT
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Employment History:

US Army Corps of Engineers, Fort Worth District September 2010 – Present

(September 2010 – September 2012) Lackland Medical Area Office, San Antonio, TX:

I maintained updated plans and specifications as a Project Engineer on Lackland Medical Area Office (“LMAO”) projects and maintained familiarity with all contract modifications, clarification, and Request For Information (“RFI”) responses issued during construction. I collected data for modifications and claims to assist other PEs and Office Engineers (“OE”) in developing Scope of Work (“SOW”) for proposed contract modifications. I performed a fair and equitable review of project for progress payments.

I evaluated the management of the submittal registers process and processing of shop drawing submittals which shall be accurate, reflect adherence to contract requirements, and performed timely. I ensured project completion procedures were accomplished timely and effectively for LMAO projects. I reviewed training and Operation and Maintenance Manuals prior to the Beneficial Occupancy Date (“BOD”).

I maintained good communications with all parties and worked effectively with the respective end users, the Air Force. I always promoted partnerships with contractors and customers, adding value to these relationships, and approached problems with government, customers and contractors proactively, and from the perspective of trying to achieve "win-win" solutions.

I maintained general knowledge of projects and detailed knowledge of work in progress. I closely looked at interpretations of contract requirements and my decisions were based on deliberate analysis, knowledge of construction practices, maximum available facts and reasonableness gained through practice and experience.

I accomplished advance engineering training on:

- a) American Concrete Institute (“ACI”) Concrete Field Testing Technician Grade I;
- b) Post-Tensioning Institute (“PTI”) Level 1 Unbonded Post Tensioning ;
- c) Association of the Wall and Ceiling Industry (“AWCI”);
- d) High-Performance EIFS for Sustainable Construction;
- e) The Masonry Society;
- f) National Highway Institute (“NHI”);
- g) Deep Foundations Institute (“DFI”);
- h) FHWA Drilled Shaft Foundation Inspection;
- i) PCC1 Civil Works Orientation;
- j) Specs for Construction Contracts;
- k) Mechanical - QV;
- l) Construction Quality Management for Contractors;
- m) Resident Management System (“RMS”);
- n) 10 Hour Construction Safety Training;
- o) Permit Required Confined Space Entry Training; and

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p) ASCE Webinar Participant: PE Civil Exam Review.

The following is a list of projects I have monitored and reviewed over the two years and two months period:

Project Name	Facility	Square Footage	Construction Cost
Mackown Dental Clinic Replacement	Clinic	57,000SF	\$33,010,397.00
ACC Phase 1A Parking Garage & Site Prep	Parking Garage	330,000SF 1,030PS	\$23,500,834.00
ACC Phase 1B Clinic Building 1& Central Plant	Clinic	81,685SF	\$44,777,501.00
ACC Phase 2 Ambulatory Care Center	Clinic	298,747SF	\$81,416,507.00
ACC Phase 3 Ambulatory Care Center	Clinic	301,252SF	Not Awarded
Spring Lake 206 Eco Restoration	Restoration	N/A	\$2,426,343.00

(March 2012 – April 2012) Construction Engineering Research Laboratory, Champaign, IL:

I completed a DA Intern (Department of the Army) rotation to the Engineer Research and Development Center -Construction Engineering Research Laboratory (ERDC-CERL) where I worked with the leading USACE researches focusing in high energy efficiency in building designs and implementation. While in CERL I learned about sustainability and energy mission the Army is heading towards, high performance building envelopes, net zero mission and many other emerging ideas.

I worked with eQuest Software which is used to model a building energy consumption based on the constructed characteristics and allows the user to simulate future energy consumption is certain building aspects are upgraded. For example a new HVAC system can use less electricity and can calculate benefits of upgrading multiple items like HVAC and building envelope of a particular building.

I analyzed the financial benefit to the Government by doing a Life Cycle Cost Analysis (LCCA) and recommended considerations to facility managers as most sustainable upgrades fell within the Operations and Maintenance Appropriation Funds.

I participated in work ranging from DOD Facilities Recapitalization to DOD Financial Management to Federal Leadership in High Performance and Sustainable Building and many others. The experience gained while in CERL has been life, career changing and has made me understand the Army's Facilities mission.

(September 2012 – May 2013) Central Texas Area Office, Fort Hood, TX:

My experience continued working with the USACE in the Central Texas Area Office in Fort Hood Army Base, Killeen, TX. I started as a Project Engineer/Project Coordinator. I was a

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Contracting Officer Representative (“COR”) for two contracts/projects adding to an estimated value of 4 million dollars.

Project Name	Facility	Square Footage	Construction Cost
Super PM Barracks	Barracks Remodel	Multiple Buildings	\$3,300,000.00
Repair Hood Army Air Field Apron	Air Field (Paving)	----	\$800,000.00

I ensured an effective engineering program was operating on my ongoing projects as COR. I conducted and documented meetings with engineers, consultants, contractors, government agencies and other non-government agencies to determine project engineering needs and progress on which I provided engineering opinions. I signed and mailed letters representing the government with in my contract rights.

Also, I compiled information gathered from the Department of Public Works (“DPW”) work orders for to be awarded within the Job Ordering Contract (“JOC”). From site visits, I documented the deficient item needing the work, wrote the site visit report and issue a Request for Proposal (“RFP”). I then reviewed the contractor’s proposal and compared amounts to my calculated Independent Government Estimate (“IGE”). I then negotiate the proposals and the contract is awarded by the Ordering Officer. This is repeated until the capacity of the dollar value of the JOC FY12 and JOC FY13 is reached, currently 4 milling dollars each

(May 2013 – September 2013) Border Patrol Station, Corpus Christi, TX:

I was appointed to a temporary duty “TDY” assignment assisting the Galveston District complete a Design–Build ‘Custom and Border Patrol Station’ in Corpus Christi, TX with responsibilities of Project Engineer Assistant and Quality Assurance Representative. Responsibilities include construction verification against contract documents including contract drawings, contract specifications and contract changes. Duties include attending regular construction meetings, preparatory meetings, inspections, commissioning test and meetings, among other items.

Project Name	Facility	Square Footage	Construction Cost
Border Patrol Station	Multiple Buildings (7)	72,414 SF	\$24,600,000.00

Project BOD is currently scheduled for Mid November, 2013. Testing, inspections, observations and other items like meeting minuets documentation are crucial throughout the life of a project mainly within the last 6 weeks of construction. That is one of my key objectives, proper documentation and filing.

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(September 2013 – Present) Civil Design Section - Engineering Branch, Fort Worth, TX:

I'm currently working in the USACE Fort Worth District – Engineering and Construction Office – Engineering Branch – Civil Design Section. The Civil Design has several missions. The two major are Military Civil/Site Design and Civil Work Projects, other missions include: Customs and Border Patrol, DEA, DLA, among others.

I'm currently working in Afghanistan Design Reviews, familiarization with USACE Engineering Branch Standard Operating Procedures (“SOP”) and Computer-Aided Design (“CAD”).

Education:

Undergraduate School:

Texas A&M University – Kingsville
Bachelor Degree in Civil Engineers, (Dec. 2009)

Graduate School:

Texas A&M University – Kingsville
Masters Degree in Civil Engineering, (May 2012)

Professional Qualifications (*Certifications/Licenses*):

Seepage and Piping Analysis (8/2013)

Professional Engineer in Texas (1/2013)* (*Approved for licensure as a PE by the TBPE*)

Scheduling Certificate (11/2012)

Fiscal Law and Comptrollers Accreditation (10/2012)

Contracting Officer Representative with a Mission Focus (10/2012)

Certificate of Completion WBDG09 High-Performance EIFS for Sustainable Construction (8/2012)

Training Course Civil Works Orientation (5/2012)

American Concrete Institute 8 hr Class (8/2011)

Training Course FHWA Drilled Shaft Foundation Inspection (6/2011)

Training Course Specs for Construction Contracts (5/2011)

Training Course Mechanical-QV (3/2011)

Construction Quality Management for Contractors (2/2011)

Post Tensioning Institute Level 1 Unbonded Post Tensioning (12/2010)

Awards (*Recognitions*):

Lone Star Award 2012 Recipient

Army Superior Unit Award 2012 Recipient

“New Faces of Engineering 2012” Nominee, US Army Corps of Engineers

Professional Memberships:

Engineer-In-Training, EIT No. 45185 (6/2011)