

Mark Slade

Senior Project Engineer

Wyncote, PA - Email me on Indeed: [indeed.com/r/Mark-Slade/81498f4b660664af](https://www.indeed.com/r/Mark-Slade/81498f4b660664af)

WORK EXPERIENCE

Senior Project Engineer

Langley AFB - Hampton, VA - January 2010 to August 2010

Senior Project Engineer

Multi-billion dollar, capital works program known as Transit City. Design to improve and expand its rail transit systems. Extension of the Sheppard Subway Transit line \$1.4 billion, 14 miles extension of the Sheppard Subway Light Rail Transit line. Construction planning development of contract packages, performing constructability reviews of design prior to contract bid/award evaluation of bids and the oversight of construction. Relocation of public and private utilities including water mains, storm and sanitary sewers. Toronto power plants Gas mains

Langley AFB Hampton VA January 10- August 2010

AFCEE Contingency Construction (Div)

Team Integrated Engineering Inc.

San Antonio Texas, 78216

Program Manager

AFCEE/CXP - Provide design Instruction and scope to develop RFP. Serves as Program Manager for the procurement, design and construction management of projects such as airfields maintenance facilities, office buildings, and roads. Prepares request for proposals and independent government cost estimates. Estimates work load to establish completion dates for each of the phases of work from procurement to closeout. Applies principles and techniques of engineering construction management and project management to accomplish goals.

Familiar with a wide variety of the design and construction field concepts, practices and procedures performs a variety of other engineering tasks as required. Report to Chief of AFCEE Contingency Construction programs. As Design manager able to provide effective coordination and liaison with broad range of military and civilian personnel (Corps of Engineer) (NAVFAC) involved in the restructuring and redevelopment of facilities and utilities within the CENTCOM AOR.

Work collaboratively with the organization to support the interest and needs of our client.

Analyzes reports maps , drawing , tests and aerial photographs on soil composition terrain hydrological characteristics, and other topographical and geologic data and design projects.

Calculates design or construction cost and determines feasibility of project based on analysis of collected data.

Determines adequacy of preparation and modification of design calculation, reports, specifications, drawings, construction schedules, environmental impact studies and designs for project. Also determines responsibility with project management plans.

Attends and participates in group conferences. Prepares construction scopes of work for military construction projects. Provide over site and procurement for military construction projects.

Consultant Contractor

MTA - New York, NY - December 2008 to September 2009

10004

Capital Program Management

Atlantic Yards Project, Brooklyn, New York \$4.2 billion dollars.

Project Manager,

- Design and Construction oversight of new Subway tunnels, tying the LIRR to BMT and IRT lines. The site will serve as one of the largest subway train station hub in New York City. Serving ten different New York City lines. Also experience with installation of solar panel installation and programming installed seismograph to monitor vibration with adjacent construction projects.

World Trade Center, Freedom Tower Project \$200 million Manhattan New York NY

- Vibration monitor for construction equipment adjacent or above MTA subway tunnels below foundation of freedom towers. Tunnels were monitored with Tilt Meters, Seismographs and Strain Gauges.
- Manage the inspection staff, and provide oversight of construction activities, monitor project schedule, process changes for payment and conduct progress meetings.
- Reviewed contractors work plans and submittals for equipment, materials and qualifications. Provide oversight for Atlantic Yard Project and World Trade Center Construction for new and existing subway tunnels.
- Review contractor's submittals for conformance to specifications and drawings, work plans, Schedules etc.
- Cost Estimates Accuracy checks
- Structuring bid packages for lowest cost construction
- Monitoring and coordinating daily construction activities

Project Manager

Versar Engineering Consultants - Springfield, VA - November 2007 to November 2008

- McGuire Air Force Base Lodging Facility's \$40million project (50 unit - 67,000 sq ft lodging facility with adjoining 175 room - 98,000 sq ft visitor's quarters and support services areas).
- Design build role; made recommendations to client for design changes for mechanical room pipe routes and also design change recommendations for catwalk to service HVAC units in attic of both buildings. Design modification to contract drawings for proper fit of Hollow Core Planking flooring system for progressive collapse design.
- Served as Air Force AFCEE Technical Representative QA support and CQP monitoring. Responsible for project delivery including cost, schedule and quality. Identify quality improvements, anticipate problems and collaborate to provide cost effective solutions.

Resident Engineer

Jacobs Engineering Group - Philadelphia, PA - September 2000 to November 2007

Hiawatha Line Light Rail project (Build Design) known as the Minnesota Transit

Constructors. \$400million project

- Joint venture consortium consists of Granite Construction Company, C.S. McCrossan, Inc., Parsons Transportation Group, Inc., and Edwards and Kelcey. EK lead responsibilities for the structural design

of bridges and walls, traction power and overhead catenary systems and overall system design quality assurance. Provided support for all civil, track and utility, signal construction.

- Construction management and QA over-site of design of the new alignment for, foundations and station. ADA compliance stations with Elevators and Escalators.

- Construction management of twelve miles of new alignment linking downtown Minneapolis/ St. Paul International Airport (17) seventeen new station

- Review and approval of all signal cable and fire, ECB, telephone and audio/visual PA system. External fiber optic cable installation and test several types of communication cables. Smart station technology for all cashier booths.

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SEPTA-MarketStreetElevatedRailReconstructionProject

\$600 million Project,

- Demolition and Construction of over three miles of Elevated guide way structure, the construction of (6) six new 50,000 sq ft stations buildings and the installation of automated train control signals.

- Construction management and QA over-site of design of the guide way, foundations and station buildings.

- Subway reconstruction of existing stations and platforms. Cut in new section to exiting track. Construction of new track alignment super-elevated rail in new section. All rails were top down construction on new Direct Fixations Fasteners (EGGS). All new DF fasteners were construction on concrete plinth pads.

- Review and approved contractor submittals for all communications equipment and grounding. Basis electrical for traction power cables and conduits, enclosed switches, materials and methods.

- Review and approval of all signal cable and fire, ECB, telephone and audio/visual PA system. External fiber optic cable installation and test several types of communication cables.

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- Conducted progress and technical meetings, communications with the contractor, field coordination and sequencing of work.

- Provided engineering support and procedural review of submittals, RFI's, Daily Reports and Change Directives.

- Managed field staff including superintendents and inspectors and coordinate construction of public safety and contractor safety compliance and notifications including street and sidewalk closures, as well as temporary facilities for continuous service operations.

- Guide way and Stations constructed according to AAHSTO and AISC, LRFD standards to insure method of proportioning structural members so no applicable limit state is reached when the structure is subjected to all appropriate load combinations.

New Jersey Transit

Resident Engineer

One Penn Plaza - Newark, NJ - June 1997 to September 2000

Contract Position)

- Big Shark River Line Reconstruction Project, \$2million
- Morrisville Train Storage Yard, New Jersey Transit- Bridges # 40 & # 50 \$40million
- Construction Management and supervision of the construction and Re-alignment of New Rail Yard. Construction of Yard Master Facility 60,000sq-yd Building,
- Construction of (2) new simple span bridges over Amtrak Lines below. Demolition and Reconstruction of existing new facilities, also coordination with Conrail. Responsible for cost estimating and change order review, Pay Invoice review and Schedules, Submittals review.
- QA over site for all construction also performed QA for all major steel erections, all welds and structural connection according to AWS D1.1, and RCSC for bolt up.
- Review of all non destructive testing and procedures of structural members.

Assistant Project Manager

Parsons Transportation Group - September 1993 to June 1997

- QA over-site of Construction of the Metropolitan Water District Southern California's \$1.2 billion, Work plans and Drawings and Specifications.
- Also managed test and inspection of 7.9 miles of tunnel and 0.3 miles of cut-and-cover pipeline. Tunnel where 16-feet in width and holds a 12-foot-diameter steel pipeline. Elevation varies from 60 to 800 feet below surface.
- Also inspection of all equipment, tag and logout including Tunnel Boring Machine a 220-foot-long, guided by a laser navigation system and has a 16-foot-diameter cutting face. The 250-ton unit is self-propelled and includes a trailing gear assembly, hydraulic rams and a muck conveyor system. An integrated push-pull locomotive and gantry car system disposes of nearly 25 tons of rock/advance. Also responsible for inspection of grouting of 25 foot average advance horizontal stabilization drill holes. Responsible for QA over-sight of contractors crew size of 12 to 15 persons per shift. Nine Daily Inspector's Reports generated per shift.
- Develop and coordination and preparation of oversight of the project in accordance with scope, schedule and budget, control management of subcontractors, management of the client's relationships with contractors and close out of project including lessons learned meeting coordination.

Engineering Technician

Quantum Chemicals - Cincinnati, OH - June 1987 to September 1993

- Manage project and contractor in a retrofit of new storage tanks and product line.
- Supervised crews for the operation, maintenance and repair of remediation systems.
- Directed the, construction and maintenance of free product recovery projects. Reviewed initial design and implemented work, environmental production, quality control and sampling analysis plans. Reviewed design packages and reviewed scopes of work and bid packages for subcontractors.
- Direct and coordinate internal and external resources to prepare facility plans for the long term growth of each of the Quantum sites as required. Assisted in planning capital budgets, writing and circulate CER documents, design plant facilities, manage construction activities, and maintain budget compliance.

- Coordinate with federal, state, and local regulatory authorities to manage projects requiring regulatory approval including the FDA, EPA, DEP, L&I, Township and Local Authorities, and others. Develops and maintains the department expense and personnel budget.

Engineering Technician, Combat Engineer

U.S. Army Reserves - Corp of Engineers - Fort Campbell, KY - 1987 to 1992

- Experience in steel and precast concrete structural analysis and design
- Construction of deep foundations and support structures including caissons and H piles.

Minor Business Administration

B.S. Civil Engineering - June 1986 to June 1986

NAVSESSES Entry level Engineer (Internship)

Philadelphia Naval Shipyard Engineering Station - Philadelphia, PA - 1982 to 1986

- Assisted in design modifications of shipboard elevator program.
- Designed and modified logic control panels for egress, cargo torpedo and service elevators

Central State University, Wilberforce, Ohio