

KEVIN V. GORMAN, P.E., CCM
Civil Engineer/Construction Manager

PROFESSIONAL EXPERIENCE

2018 to present **Robson Forensic, Inc.**
Associate

Provide technical investigations, analysis, reports, and testimony to attorneys, insurance companies, public authorities, road and street owners, and contractors toward the resolution of commercial and personal injury litigation involving highway and bridge construction practices, maintenance and protection of traffic during construction, construction engineering and claims, roadway maintenance and operations and failure analysis in the highway construction industry.

2008 to 2018 **Michael Baker International**
Construction Manager/Senior Associate

Served as an Agency Construction Manager (CM) for several clients and on a multitude of projects ranging from multi-million dollar bridge replacements and highway reconstructions, to super load moves, underwater access tunnel inspections, and cost estimating. Additional duties included managing my contracts administratively and providing supervision and quality control checks on deliverables developed by my staff of Construction Managers and Construction Technicians. Individual work experience from respective clients is listed below:

Client: *Pennsylvania Department of Transportation (PennDOT), District 8-0*

Performed as the Owner's Representative Construction Manager (CM) primarily for PennDOT with responsibilities that included:

- Insuring that the Temporary Traffic Control (TTC) related activities on the affected highways were performed in compliance with the MUTCD and other applicable standards; including the initial TTC set up, TTC phase changes, removal of the TTC devices, and monitoring of the flow of traffic traversing the work zone. Oversight of TTC zones was provided on many types of TTC setups/conditions from multi-lane interstate highways with cross-overs and adjacent opposing lanes, to rural two-lane roads controlled by flaggers and/or temporary traffic signals.
- Managing a staff of construction inspectors working as PennDOT representatives who were on site evaluating and documenting construction work for compliance with the applicable specifications and standards.
- Performing constructability reviews of plans
- Reviewing the project in depth including schedules and costs
- Overseeing all construction to monitor compliance with the contract, PennDOT specifications, applicable standards, and safety regulations
- Implementing changes to address unforeseen conditions
- Reviewing work progress against the CPM schedule and critical path
- Evaluating traffic flow with the temporary traffic controls and developing changes as required to improve safety and reduce traffic queues and hazards
- Preparing internal and external reports pertaining to job status, both current and projected status
- Planning ahead to prevent and proactively resolve problems

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- Analyzing, managing and mitigating risks to stakeholders
- Monitoring worksite for unsafe construction conditions/practices
- Evaluating Value Engineering concepts
- Developing strategies to mitigate potential claims
- Preparing and presenting claim defenses and testimony regarding contractor's claims

PennDOT District 8-0 Projects/Agreements under which I served as the project's Construction Manager include:

- **Agreement E03642** CM Contract overseeing three specific projects in Dauphin County (Total Construction Value \$61 Million)
- **Agreements E03042, E02532 & E01983** Construction Management Open End Contracts (2011-2018, Total Construction Value over \$200 million)
- **Agreement E01767** CM/ CI Cumberland and York County which included:
 - Seven Federal Stimulus Projects in York and Cumberland Counties, including a design-build, bridge replacement, structure rehabilitation, and roadway paving and restoration. Duties also included overseeing the CI staff as well as with project start-up, close-out, and monthly Federal reporting.
- **Rehabilitation of the George Wade Bridge** (Interstate 81 over the Susquehanna River) - work included steel super structure repairs, post tensioning of the hammerhead piers, weld peening, structural steel painting, cathodic protection of a concrete pier and concrete deck patching.
 - Project involved major claim defense work for construction claim from prime contractor and sub-contractor.
- **The Cocoa Ave/E Chocolate Ave** (Hershey, PA) – This project included a new pre-cast single span concrete bridge over NSRR, a full intersection realignment, compaction grouting for bridge footings, and two new pre-cast pedestrian underpasses.
- **SR 0322-038 expressway preventative maintenance** – This project consisted of resurfacing the existing roadway and shoulders using Superpave, wearing course, scratch course, and ultra-thin friction course; milling; concrete patching; guide rail replacement; base repair; minor drainage improvements; roadside development items; pavement markings; ADA ramp improvements; and other miscellaneous construction.
- **SR 0083-I43 interstate structure replacement** - The SR 0083 Section I43 project included replacement of three overhead bridges - SR 0022 (Jonestown Road), SR 3020 (Union Deposit Road) and SR 3026 (Elmerton Avenue), reconstruction and reconfiguration of the I-83/SR 0022 interchange and improvements to SR 0022. The specified work consisted of full-depth bituminous reconstruction, widening and overlays of SR 0022, and full depth reconstruction of the bridge approach roadways. Other work included: highway drainage and storm water management improvements, new/modified adaptive traffic signals, highway lighting, signing, sign structures and sign lighting, pavement markings, curb, sidewalk and concrete median construction, temporary traffic signals, incorporated utility relocation work, and other miscellaneous construction.

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- **SR 0081-070 interstate roadway widening** - This project consisted of concrete pavement widening of the existing roadway to provide auxiliary lane and shoulder, NB & SB. Installation of new drainage facilities, E&S controls, new sign structures with sign lighting, ground mounted signs, pavement markings, installation of guide rail and safety shape concrete barrier, diamond grinding of all lanes, and other miscellaneous construction.

Super-load Move, Maryland and Pennsylvania

Construction Manager

Client: Private Client

I was the lead Construction Manager for this project, which involved moving two new steam generators from France to Three Mile Island (TMI) near Harrisburg, PA. Our scope was to find and protect a route to deliver the steam generators (EOTSGs) to TMI. Michael Baker began work in January 2008 providing Engineering (Route Selection, Structural and Roadway), Permitting, Environmental, Utility, Traffic, and Construction Management services for the move that concluded in September 2009. The land portion of the transport of the two replacement steam generators occurred over approximately 70 miles of public roads from Port Deposit, MD to TMI near Middletown, PA. The two steam generator loads were transported on self-propelled modular transporters (SPMT) with each load being approximately 150' long x 20' wide x 24' high and weighing approximately 811 tons. They were the largest recorded loads moved across PA.

Structural Inspection and Repair

Construction Engineer

Client: Dominion Transmission, Inc., Lusby Maryland

Responsible for inspection and evaluation and preparation of a findings report about an area of delaminated concrete in the precast concrete underwater tunnel that ran below the Chesapeake Bay. Observations and testing performed subsequent to concrete removal were used to develop a hypothesis on the cause(s) of the concrete failures, as well as to develop a repair procedure to address the short-term and long-term concerns with this structure.

Construction Cost Estimating

Civil Engineer Subject Matter Expert

Client: US Army Sustainment Command, Rock Island, IL

Worked on the development of independent government cost estimates (IGCEs) for the LOGCAP IV logistics contract, to provide front-line logistics and support services to military units deployed to Iraq, Afghanistan, and Kuwait.

Client: U.S. Army Corps of Engineers, Fort Worth District

Responsible for overseeing as well as completing construction quantity take-offs from construction drawings for numerous miles and types of U.S. Border fencing. Cost of projects ranged from \$1 million dollars to \$100 million dollars.

Client: Amtrak

Responsible for completing quantity take-off and cost estimating from construction drawings for the removal and re-construction of an elevated passenger train platform.

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2000 to
2003 **Michael Baker International**
Construction Manager

Client: Pennsylvania Department of Transportation, District 8-0:
SR 0015-A12 Lisburn Rd Interchange Reconstruction – Provided Construction Management Services for the project owner, PennDOT, on their Lisburn Road/Route 15 interchange reconstruction project. The project included a new pre-stressed concrete bridge, retaining and sound walls, and realignment of the new intersection. Total Contract Value \$23 million.

2003 to
2008 **Fairview Township**
Police Officer

As a result of Fairview Township having a small Police Department, in addition to the Uniformed Patrol Duties described below for the City of Harrisburg, such as patrols in marked vehicles and on bicycles, I was responsible for the investigation and follow-up for all my cases, which included collecting evidence, interviewing witnesses, interrogating suspects, and examining evidence. I received my Accident Reconstructionist certification from the Institute of Police Training and Management (IPTM), and investigated fatal and serious bodily injury motor vehicle accidents, including fatal pedestrian struck accidents, single vehicle fatal motorcycle and motor vehicle accidents, and vehicle roll-overs with ejection of occupants. Evidence collected during my accident reconstructions were used to substantiate or clear a defendant of criminal charges.

In addition to being assigned as the Township's accident reconstructionist, I was assigned to the York County Quick Response Team (QRT) where I received special training as a SWAT operator to respond to high danger situations including barricaded gunmen, high risk warrant services, and high risk search warrants.

1996 to
2000 **City of Harrisburg**
Police Officer

I worked for the Uniformed Patrol Division having general law enforcement duties. Duties included responding to emergency calls, investigating complaints, enforcing criminal and traffic laws, and protecting crime scenes. Work included preparing criminal complaints, search warrants and writing citations. I performed patrols in a marked police vehicle, on foot, and on a police bicycle after receiving two-weeks of specialized police bicycle training. The process of filing criminal charges typically included providing testimony at the preliminary hearings all the way to testifying in front of a jury in County Court. During my time with the City I served for 8 months in the Criminal Investigation Division where my primary role was to investigate incidents that were forwarded from the Uniformed Patrol Division. Work entailed interviewing witnesses, interrogating suspects, examining evidence as well as pursuing leads to solve a case.

1992 to
1996 **PennDOT**
Civil Engineer

During my first year with PennDOT. I gained my initial experience through the Civil Engineer trainee program, performing duties in the many and various Departments within PennDOT's Central Office and District Offices. Roles and duties included: highway materials testing, contract management, construction inspection of highway and bridge projects, highway maintenance paving and small structure replacements, and project work order evaluations. In my last two years at PennDOT I was a Liaison Engineer managing highway design projects that were being developed by consultant engineers.

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PROFESSIONAL CREDENTIALS

Registered Professional Engineer: Alabama, Arizona, Arkansas, Colorado, Delaware, District of Columbia, Florida, Indiana, Maryland, Massachusetts, Mississippi, New Hampshire, New Jersey, North Carolina, Pennsylvania, South Carolina, South Dakota, Texas, Utah, Virginia
CMAA Certified Construction Manager

EDUCATION

M.S., Criminal Justice, Nova Southeastern University, 2007
B.S., Civil Engineering, Cornell University, 1992

Continuing Education:

30-Hour OSHA Hazard Recognition Training for the Construction Industry course, 2018
OSHA 10-hour Construction Safety & Health course, 2009
Traffic Crash Reconstruction, Institute of Police Technology and Management (IPTM), 2005

VOLUNTEER ACTIVITY

Member of Fairview Township Planning Commission, 2012-2015
Served on the Planning Commission which was an advisory and recommending body to the Fairview Township Board of Supervisors as it relates to proposed subdivision, land development and land use proposals

PROFESSIONAL MEMBERSHIPS

Construction Management Association of America (CMAA)

Past Memberships and Affiliations:

Pennsylvania Society of Professional Engineers (PSPE) Past Secretary
American Society of Highway Engineers (ASHE Northeast Region)
Chi Epsilon National Civil Engineering Honor Society – Past Secretary

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PRESENTATIONS and SPEAKING ENGAGEMENTS

"Recognizing Liability in Construction Work Zones" - a fifteen minute presentation on areas of liability in a construction work zone and the additional challenges for commercial motor vehicles within that work zone presented to the Academy of Truck Accident Attorneys.

2021 Annual Symposium, Austin, TX – September 25, 2021

"Three Mile Island Super Load Move" - a one-hour presentation about PA's largest super load move and the logistics required to move two steam generators across Maryland and Pennsylvania.

Greater Lebanon Lion's Club November 2009
APC/PennDOT Winter Conference November 2009
ASHE Mid-Allegheny Chapter January 2011
ASQ Harrisburg Section 503 May 2011
PSPE Con-Ed Conference July 2011

"Erosion and Sediment Control Best Practices" - four-hour presentation for the Pennsylvania Department of Transportation.

Indiana, PA - January 2012
Harrisburg, PA - February 2012
Indiana, PA - January 2014

"The Interstate 81 Tanker Fire" - one-hour presentation about an accident involving a tanker truck rollover and resulting fire that destroyed two bridges. Presentation included my role as the Construction Manager with five emergency contracts to clear the damaged structures and their subsequent replacement and repair.

Numerous groups and locations from 2013 to 2014

"Construction and Design of ADA Ramps" - four-hour presentation for the Pennsylvania Department of Transportation.

Indiana, PA - January 2014

"Construction Management for an Emergency Bridge Replacement" - two-hour presentation on the logistics of developing and implementing emergency bridge replacement contracts presented to SEI/ASCE

Philadelphia, PA - January 2014

"Basic Construction Management" - six-hour presentation for the Pennsylvania Department of Transportation.

Indiana, PA – January 2014 and March 2015
Harrisburg, PA – January 2014

"Pile Driving" - one-hour presentation for Pennsylvania Department of Transportation.

Winter School
Harrisburg, PA - February 2018