

PROFESSIONAL EXPERIENCE

HNTB CORPORATION, San Antonio, Texas

2008 - PRESENT

Project Manager • Project Engineer • Squad Leader

- Lead CADD Production manager for the US 281 North Expansion project. Manages a geographically diverse internal team to produce road and bridge plans and provides technical support to subconsultants. Responsible for the delivery of final construction plans and specifications for the US 281 leg from Loop 1604 to Stone Oak.
- Designed and submitted a highway schematic for a five-level highway interchange for State Loop 335 and I-40 in Amarillo, Texas in half the typical development time which led to winning the follow on contract for final design plans and specifications.
- Lead roadway designer for San Antonio's first toll highway system on Interstate 35. Utilized InRoads 3D modeling and analysis techniques to design three multi-level highway to highway interchanges and 18 miles of elevated toll lanes for the \$1.5 Billion dollar project.
- Designed the roadway and drainage improvements utilizing GeoPak for the City of San Antonio's \$10 million bond project on Jones Maltsberger. Worked closely with local artist on included public art project.
- Proposed and designed a roundabout for Galm Road at Government Canyon State Natural Area that improved safety and saved Bexar County over \$1 million in construction and right of way expenses. As project engineer, designed roadway, drainage, signing, striping, traffic control, water, and sewer utilities. As the Project Manager, conducted construction observation and project closeout.

CARTER BURGESS, San Antonio, Texas

2005 - 2007

Project Engineer

- Led the traffic control and construction phasing design team for the Interstate 30 interchange project in Texarkana. This was the largest construction project for Texas DOT's Atlanta District that included a new trumpet interchange and six reconstructed diamond interchanges.
- Designed and modeled temporary drainage systems to complement the different construction stages of the Interstate 30 interchange project.

LOCKWOOD, ANDREWS, & NEWNAM, San Antonio, Texas

2004 -2005

Graduate Engineer

- Project engineer leading the hydraulic modeling, analysis, and design of the storm system for the Texas DOT Loop 1604 toll road project.
- Served as point man for traffic engineering projects with H.E. Butt Grocery Company. Met and exceeded customer needs, generating 2 new projects.

PAPE-DAWSON ENGINEERS, San Antonio, Texas 2001 - 2004
Civil Engineer

- Developed and analyzed several hydraulic drainage models for TxDOT, including State Highway 35 in Rockport, Texas and State Route 127 near Uvalde, Texas.
- Performed and guided over 20 land development traffic impact studies for major local developers and companies through City of San Antonio's approval process.
- Modeled traffic operation for eight arterials with over 70 signalized intersections and developed peak hour timing plans to improve traffic flow.

UNITED STATES AIR FORCE, Vandenberg AFB, California 1995 - 1997
Chief, Operations Training • Launch Crew Commander

- Served as launch squadron liaison to Bechtel Corporation for the \$200 million construction project of the Air Force's newest Atlas IIAS space launch complex.
- Managed development of Atlas IIAS Rocket launch training program. Negotiated \$1 million training contract with Lockheed Martin. Delivered 4 months early.
- Delivered "Best in Space Command" Delta II Rocket launch training program, as recognized by Air Force Inspector General, six months ahead of schedule.

UNITED STATES AIR FORCE, Eldorado AS, Texas 1993 - 1995
Missile Warning Crew Commander

- Led a three man crew providing rapid response for nuclear missile launch detection to the National Command Authorities.
- Recognized as an effective team leader, winning Company Grade Officer of the Quarter and team winning Crew of the Quarter.

EDUCATION

TEXAS A&M UNIVERSITY, College Station, Texas 1999-2000
Master of Engineering, Civil Engineering, GPA: 3.60

TEXAS A&M UNIVERSITY, College Station, Texas 1997-1999
Bachelor of Science, Civil Engineering, GPA: 3.16

- Distinguished Student

UNITED STATES AIR FORCE ACADEMY, Colorado Springs, Colorado 1989-1993
Bachelor of Science, General Studies

- Dean's List

PROFESSIONAL ENGINEER | CIVIL 2005
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