

Jeffrey Sanchez, P.E., PTOE, CXLT



Background

Mr. Sanchez holds a B.S. in Civil Engineering with an emphasis in structural engineering from the United States Coast Guard Academy. He is a professional engineer with 20+ years of experience in civil engineering with proficiency in design, construction management, and forensic analysis.

Mr. Sanchez has 11+ years of experience in the design, construction, and maintenance of federal and state highway transportation projects and holds a Professional Traffic Operations Engineer (PTOE) Certification from the Transportation Professional Certification Board.

Contact Information

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Professional Engagements

- **Engineering Project Management, Heavy Civil Construction**
 - Federal Highway Administration (FHWA), Various Highway Infrastructure Improvement Projects – New Mexico (2018-2019), Managed construction on-site, created and implemented engineering quality control program, created material testing plans per specification requirements, and oversaw material testing efforts.
 - NM Local City and County Governments, Various Water and Sewer Infrastructure Upgrade Projects – New Mexico (2017-2018), Managed construction, negotiated and drafted cost estimates for scope changes, designed and drafted temporary traffic control plans.
 - NM Department of Transportation, Various Highway Infrastructure Improvement Projects – New Mexico (2007-2010), Managed construction, tracked budgets, and designed temporary false and formwork needed for bridge construction.
- **Engineering Design, Highway Transportation**
 - NM Department of Transportation Western District, Highway Infrastructure Design – Grants, NM (2013-2015), Oversaw and coordinated highway infrastructure project designs with \$20M annual construction budgets.

- NM Department of Transportation Western District, Traffic Engineering – Grants, NM (2010-2013), Designed permanent and temporary traffic control for highway infrastructure construction projects, designed temporary traffic control for maintenance projects, and reviewed traffic control plans submitted by contractors to ensure conformance with federal and state standards and guidelines.

- **Engineering Design, U.S. Coast Guard Shore Facilities**

- U.S. Coast Guard Shore Facilities Infrastructure Improvements – Oakland, CA (2001-2004), Designed and drafted specifications for U.S. Coast Guard shore facility improvement projects, including a multilevel office/storage structure, retaining wall, tower site layouts for Coast Guard communication stations, roadway improvements including erosion mitigation, and a helicopter hangar deck coating system.

- **Facility Maintenance Engineering, Highway Transportation**

- NM Department of Transportation Western District, Infrastructure Maintenance Engineering – Grants, NM (2015-2017), Managed design efforts, created scope, and oversaw construction of emergency and non-emergency highway infrastructure remediation projects, scoped and managed the implementation of snow removal system upgrades.
- NM Department of Transportation Western District, Traffic Engineering – Grants, NM (2010-2013), Scoped and managed traffic system maintenance projects, and negotiated and managed contracts with contractors and suppliers.

- **Facility Maintenance Engineering, U.S. Coast Guard Tower Program**

- U.S. Coast Guard Tall Tower Inspection Program Management – Oakland, CA (2001-2004), Inspected Coast Guard-maintained west coast navigation towers; scoped and contracted out needed repairs.
- U.S. Coast Guard Cutter MOHAWK – Key West, FL (1999-2001), During a dockside ship overhaul, drafted specifications for and oversaw reverse osmosis system installation project, deck resurface project, wardroom rehabilitation project, and lifeboat modification project. Served as inspector for all four projects.

Forensic Engagements

- **Construction Related Failure Investigations**

- Roadway design and condition evaluations.
- Pavement design and condition evaluations.
- Temporary and permanent traffic control evaluations.
- Traffic signal timing analysis.
- Intersection sight distance evaluation.

Professional Experience

- **YA Engineering Services** 2024 – Present
 - Senior Managing Engineer
Investigate and analyze failures and/or losses related to roadway construction and traffic control.
- **Rimkus Consulting Group, Inc.** 2019 – 2024
 - Principal Consultant
Investigate and analyze failures and/or losses related to roadway construction and traffic control.
- **Albuquerque Asphalt, Inc.** 2018 – 2019
 - Engineering Construction Manager
Managed multi-faceted heavy civil construction projects involving multiple stakeholders, materials, and personnel. Managed quality control and material testing, oversaw budget, drafted cost estimates for scope of work changes.
 - Investigate and analyze roadway design and condition.
 - Investigate and analyze traffic control design and setup.
- **File Construction, LLC** 2017 – 2018
 - Engineering Construction Manager
Managed underground utility projects, performed cost estimating, tracked and managed construction budget, ordered equipment, designed and drafted plans for temporary traffic control.
- **NM Department of Transportation, District 6** 2010 – 2017
 - Assistant District Engineer, Maintenance Department
Managed and oversaw the work of 120 personnel over 12 patrols responsible for the upkeep and maintenance of 3,000+ lane miles of federal and state highways and bridges, including a \$500K annual materials and equipment budget. Generated scope and oversaw construction for contracted maintenance projects with a \$5M annual budget.
 - Assistant District Engineer, Engineering Design Department
Managed and coordinated the design efforts of internal design groups and external design firms to implement district design program supporting a \$20M annual construction budget.
 - Traffic Engineer
Managed district traffic engineering program. Designed temporary and permanent traffic control for district construction and maintenance operations. Scoped, contracted, and oversaw the construction of district traffic control system maintenance and upgrades with a \$2M annual budget.

- **A. S. Horner, Inc.** **2007 – 2010**

 - Engineering Construction Manager
Managed the construction of multiple bridge and highway construction projects with combined budgets of \$66M. Managed budget, designed temporary false and formwork for bridge construction.

- **Amazon.com** **2006 – 2007**

 - Area Manager
Managed a crew of 25 personnel responsible for the timely shipping of 25K to 75K shipments during each 10-hour shift.

- **Flowers on Monday** **2004 – 2006**

 - Owner/Operator
Responsible for the day-to-day operations of an online plant and flower distribution company including billing, accounting, and budgeting.

- **U.S. Coast Guard, Civil Engineering Unit Oakland** **2001 – 2004**

 - Design Project Manager, Rank: Lieutenant
Drafted engineer estimates, specifications, and drawings for various projects supporting Coast Guard shore facilities. Coordinated with internal customers to outline objectives, define scope, and determine deliverables to ensure needs were met. Answered RFIs and reviewed proposed change orders from contractors.
 - Tall Tower Engineer, Rank: Lieutenant
Inspected Coast Guard communication and navigation towers for structural integrity, drafted reports; scoped and contracted out repairs. Contracted out inspections and reviewed reports. Maintained inspection schedule.

- **U.S. Coast Guard Cutter MOHAWK** **1999 – 2001**

 - Division Officer, Rank: Ensign
Assisted the Chief Engineer with regular engineering responsibilities including ship fueling operations, damage control training and drills, and scoping and inspecting shipboard system upgrade and maintenance projects. Managed two divisions responsible for the upkeep and maintenance of the onboard electrical and plumbing systems.

Education and Certifications

- **Civil Engineering, B.S.:** United States Coast Guard Academy (1999)
- **Registered Professional Engineer:** Arizona (License No. 71536), Florida (License No. 89374), Louisiana (License No. 44878), New Mexico (License No. 20002), and Texas (License No. 139068)
- **Professional Traffic Operations Engineer** (Certification No. 4732)
- **Contractor License Qualifying Party Classifications:** GF02, GA98