

SIEGFRIED

ENGINEERING & CONSTRUCTION, LLC

PRESIDENT & CEO

ROBERT H. SIEGFRIED, PE, MBA

VP & SENIOR PM

JESSE GARCIA, PE

REGIONAL VP & CEI PM

LUCIO F. ORTIZ, PE

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CERTIFICATIONS

DBE CERT. No. 20-12-13705

HUB CERT. No. 1454102647300

SBE CERT. No. 1670

TBPELS No. F-14029

ABOUT THE FIRM

Headquartered in Houston, Texas, Siegfried Engineering & Construction, LLC (SEC) was founded in 2011. It is a full-service firm established to design, repair, and manage construction of roads & bridges, public works, and land development.

SOLID FOUNDATION

SEC is built on a solid foundation of expertise & experience. Leadership offers over 100 years of combined experience designing and managing traffic & intelligent transportation systems (ITS) projects. We bring more than 50 years of combined experience managing TxDOT projects, personnel, schedules, and budgets.

CERTIFIED FOR BUSINESS

SEC is a certified SBE, HUB, and DBE company. The firm is pre-certified in numerous TxDOT work categories and growing every month.



TOTAL PROJECT SUCCESS!

**TxDOT PRE-CERTIFICATIONS
FOR TRAFFIC & ITS**

- 7.1.1 Traffic Engineering Studies
- 7.3.1 Traffic Signal Timing
- 7.4.1 Traffic Control Systems Analysis, Design, and Implementation
- 7.5.1 Intelligent Transportation Systems
- 8.1.1 Signing, Pavement Marking, and Channelization
- 8.2.1 Illumination
- 8.3.1 Signalization
- 8.4.1 ITS Control Systems Analysis, Design, and Implementation
- 8.6.1 Rail-Highway Design

TRAFFIC ENGINEERING

- Data Collection
- Engineering Studies
- Illumination
- Signal Design
- Project Management

ITS SPECIALTIES

- Advanced Vehicle Information Systems
- Controller Upgrades
- Changeable Lane Assignment Sign (CLAS)
- Dynamic Message Signs (DMS)
- Fiber Optic Communications
- Incident Management Detection and Design
- ITS for Work Zones
- Pre-emption Devices
- Signal Timings
- Surveillance, Communications, and Control (SC&C)
- Toll Collection Systems
- Video Image Vehicle Detection System (VIVDS)



ROBERT SIEGFRIED, PE, MBA

Founder & President, Robert H. Siegfried, PE, MBA, brings over 34 years' experience in transportation planning, engineering, and construction management. Throughout his career, Siegfried has assembled project teams with leading firms to provide quality service & deliverables throughout the Lone Star state.

Recent Traffic and Intelligent Transportation Systems (IT) experience includes serving as Task Lead and Engineer of Record on Work Authorizations and Specific Deliverable projects for: Harris County Toll Road Authority (HCTRA); Harris County Engineering Department (HCED); North Tarrant Express (NTE); North Texas Tollway Authority (NTTA); and TxDOT Laredo and Dallas Districts.

SH 99 (GRAND PARKWAY) SEG E, SXN 3 | HCTRA/TXDOT | 2011 | \$100M

US 69 (WA #3) | STATEWIDE PS&E IDIQ | TXDOT BMT | 2021 | \$5M

SH 359 FOR 2 PROJECTS (WA #1) | STATEWIDE PS&E IDIQ | TXDOT LAR | 2020 | \$8M

IH 35, SEG 3A S | NTE MANAGED LANES | NTTA/TXDOT | 2014 | \$450M

NTE SH 183, SEG E | NTTA/TXDOT | 2012 | \$400M

SH 121 AT SH 75 INTERCHANGE, SEG 4 | NTTA | 2008 | \$221.8M



JESSE GARCIA, PE

VP & Senior PM, Jesse Garcia, PE, brings 35 years of experience managing major roadway design projects. He served 10 years as TxDOT Area Engineer in Ft. Bend & Houston, where he managed design & construction on several major projects. Garcia draws on his combined TxDOT and consultant experience to provide QA/QC.



LUCIO ORTIZ, PE

Regional VP & CEI PM, Lucio Ortiz, PE, brings 34 years of TxDOT engineering experience to the team. He served six years as Director of Construction for the Houston District, where he administered all District construction contracts for highways, bridges, and related structures. Ortiz draws from his substantial experience to perform comprehensive constructability reviews.



TOTAL PROJECT SUCCESS!