



FARAH ENGINEERS

HEAVY TRANSPORTATION

PLANNING AND DESIGN

CONSTRUCTION SERVICES

2023

HISTORY

Farah Engineers was originally established in 2009 by Yash Farah. As an EIT Yash saw an opportunity to gain firsthand business experience in tandem with his technical development. He hired a Texas PE with whom he developed a symbiotic working relationship.

Though progress was made, the level of risk and the effort required at the time was in excess of justifiable metrics, as such Yash returned to industry in order to continue his growth both professionally and technically.

In June 2021, after several months of analyzing and forecasting how the transportation market would rebound post Covid, the decision was made to initiate marketing efforts to permanently establish Farah Engineers in the Dallas / Ft. Worth market.

We are driven by a vision, to be the client focused, service centric consultant of choice providing Flexibility, Responsiveness, and Partnership to our customers beyond their technical needs to deliver High Quality, Constructable Designs Within Budget and On-time.

Current Certifications and Registrations

- NCTRCA DBE Certified
- NCTRCA MBE Certified
- NCTRCA SBE Certified
- TxDOT Administratively Qualified
- TxDOT Technical Pre-certifications
- GSA SAM Registered
- Texas HUB Certified

YASH FARAH, P.E.
PRINCIPAL



Yash has 14+ years of progressive experience in the design and delivery of state and local infrastructure projects. He began his career in 2009 consistently assuming roles which both challenge and promote professional and technical growth. He has maintained the confidence of clients and colleagues in both his work environment as well as his professional society involvement.

He is a Licensed Professional Engineer in the state of Texas and has been involved in the pursuit, design and delivery of a variety of PS&E and D-B projects involving Bridge layouts & design, Roadway Geometrics, Rail Geometrics / Rail Structures, Hydrological studies as well as cross discipline review and coordination.

Yash's software proficiencies include but are not limited to MicroStation and GeoPak Road, Bentley InRail, LEAP Bridge, SpColumn, L-pile, HEC-HMS, HY-8 and Microsoft Office plus others.

Technical Subject Proficiencies:

Bridge and Bridge Class culvert structural design and inspections

Soil Nail and MSE Retaining Wall Layouts and Design

Hydrologic and Point Flow Analysis

Culvert and Ditch Network Capacity analysis and size determinations

Roadway design, refinement and plans preparation

Signing and striping layouts and plans preparation

Summary of Experience: 14+ years

Structures Design Lead Roles (TxDOT Projects)

- SH 36 at Jones Creek – Responsible charge engineer designing and overseeing junior staff design of the full bridge replacement PS&E plan set. Weekly coordination with TCP and roadway teams with multiple firms involved to complete a 5-year on again off again project (*Houston District*)
- US81/US287 at Harmon rd. – Responsible charge engineers to design two (2) new bridges at Harmon Rd. and N. Tarrant Pkwy. to replace the one existing bridge at Harmon Rd. (*Ft. Worth District*)
- IH-37 Crash Wall – Designed Multiple crash walls to be used interchangeably at 11 different bridge sites along with identifying and detailing repairs for existing bridge deficiencies. Developed the deliverable construction estimate and construction schedule. Ensured minimal impact to traffic on IH37 stemming from overhead repairs (*Galveston District*)

Roadway / Striping Design Roles (TxDOT Projects)

- US 87 – Full Roadway design including Best fit alignment, profile, cross sections, striping and pavement markings, grading and utility conflict review (*Amarillo District*)
- IH-37 – Lead the TCP, Temporary striping and construction sequence planning and design for a crash wall construction project with detours and sequencing of underside bridge deck repairs to minimize traffic impact. (*Galveston District*)

Transit Projects

- DART I3 (Orange Line) – Kiewit (Contractor) – Served as filed engineer for D-B contractor for approximately 8 months providing sub-contractor oversight, safety inspections, quantity reviews and shop drawing submittals and management.

- DART I3 (Orange Line) – Parsons (Consultant) – Provided shop drawing reviews, design revisions, verification of alternative designs and supported prime consultant in other engineering support during construction needs as required during the course of the DART I3 D-B project.
- Rail West of IH235 & IH44 Interchange (Oklahoma DOT) – Served as the design engineer for the revised railroad alignment and profile on the UPRR segment within the project boundaries. In addition to the alignment and profile, I designed the tie-in to existing to remain infrastructure.

Other Notable Projects

- IH-45 near Galveston
 - NB IH 45FR bridge at TCT Railroad Crossing
 - IH 45ML Bridge at Marsh Ln. (Tidal equalizer culvert to equalizer bridge)
- IH-10 near The Colorado River
 - Main Lane bridge (9 Spans - 1860 LF) at the Colorado River (3 Steel spans 250'-320'-250')
 - Main Lane East Relief 1 Bridge (9 spans – 1780 LF) and Main Lane CR268 bridge (4 spans)
- Involved Design Build proposals
 - Cotton Belt
 - LBJ East
 - SH 183 Midtown Express
 - Loop 375
 - US 181 Harbor Bridge
- Multiple CEI Projects (Construction Inspection and Construction Phase services)

Clients

- North Texas Tollway Authority
- Webber Construction (A subsidiary of Ferrovial)
- Texas Department of Transportation – (Ft. Worth, Dallas, Galveston and Midland Districts)