



Shelmark Engineering provides design services including civil, structural, and marine engineering services to coastal communities along the Texas Gulf Coast since 2000.

Our project development includes research, planning, evaluation, design, bid procurement and construction administration. We specialize in permitting processes with environmental constraints such as wetlands and critical habitats; high wind and flood design for storm events; floodplain mitigation; and challenging soil conditions for both private & public projects.

Our experience leads to a common sense approach that results in a successfully completed project within budget and on schedule.

CIVIL | MARINE | PLANNING | STRUCTURAL

Our Services

CIVIL - All facets of the project development including research, planning, evaluation, design, bid procurement and construction administration for private/public infra-structure projects.

- Site Assessments/Feasibility Studies
- Site Plans
- Trench Safety/Shoring Plans
- Storm Water SWQMP/SWPPP Plans
- Local & TXDOT Permitting/Building Permits
- Roads/Bridges/Parking Lot Designs
- Drainage Plans/ Detention Facilities/Excavation & Mitigation Plans
- Wastewater Collection Systems/Pump Stations
- Water Distribution Systems
- Traffic Plans

STRUCTURAL - Analysis and design from footings to finite element analysis (FEA) for complex structural framing systems based on high wind conditions for commercial, industrial, petrochemical, public and private markets.

- Structural Assessments /Code Reviews
- Building Foundations/Storage Tank & Equipment Foundations
- Concrete Tiltwall Buildings/Retaining Wall Design
- Steel and Timber Design and Analysis
- Pedestrian Walks and Bridges
- Windstorm Design and Inspections

CERTIFICATIONS

- Texas Board of Professional Engineers - Firm No. 2115
- Texas Department of Insurance (TDI) Windstorm Certified
- Metropolitan Transit Authority of Harris County (METRO)
- Port of Houston - Small Business Enterprise (SBE)
- Houston Community College (HCC)

CODES / IDENTIFICATIONS

Duns Number: 194884651
 Federal Tax ID: 81-0573608
 Cage Code: 470V2
 NAICS Codes: 541320 Site Planning
 541330 Civil Engineering
 541330 Environmental Engineering
 541330 Marine Engineering
 541330 Building Inspections

PSC Codes: C216 Architect & Engineering -
 General: Marine Engineering
 C220 Architect & Engineering -
 General: Structural Engineering

Project Portfolio



- Paving • Drainage • TXDOT Permits
- Foundations • SWPPP • Site Plan
- ~ BMW Vehicle Processing Center
Port of Galveston



- Paving • Drainage • Traffic Planning
- ~ Caroline Street Road Improvements
Galveston County



- Windstorm Inspections
- ~ Galveston County Housing Assistance Program
Galveston County



- Bridge Design • Road Paving
- Slope Paving • SWPPP
- ~ Magnolia & 25th Avenue Bridges
JFM Consultants / City of Texas City



- Tiltwall Bldg. • Foundation & Windstorm Inspections • Site Plan
- ~ Century AC Showroom & Warehouse Complex - Bearotti, LTD, League City



- Paving • Traffic Plan • TXDOT Permit
- SWPPP • Site Plan
- ~ Port Entrance Repairs
Port of Texas City Security Council



- Shoring Design • Excavation
- ~ Mary Rhoads Pipeline Plant Phase 2
Garney Construction