



TSC Engineering Company

> TSC
consistently
assures
on-time
project
delivery.

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> seeing
the
bigger
picture

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...dedicated to a high standard of professional performance and integrity.

TSC Engineering Company offers professional engineering, design, and project management services to transportation, municipal, land development, commercial, industrial, federal government, and land surveying projects for a wide range of clientele. TSC is defined by its belief that the best solutions emanate from comprehensive project management and engineering quality.

Quality - TSC takes pride in the quality of the services it provides. The company has an effective four-step QA/QC system founded upon the following axioms: 1) clear and early definition of requirements, 2) peer review and checking of all work as it progresses, 3) frequent random sampling and independent review of critical deliverables with formal timely feedback, and 4) Professional Engineer review and signature of all final work products.

Cost - Using a combination of parametric and detailed cost estimating techniques, TSC consistently provides reliable cost estimates at all project phases, and assures budget compliance by employing project controls which provide early warning of cost deviations.

Schedule - The key to successful scheduling and schedule control is to develop a fully integrated project schedule. TSC uses Primavera® to define and time reference major milestones and deliverables. Beyond the major milestone level, multiple additional levels are defined and time/logic referenced to assure clear division of responsibility, understanding of the time required to complete each task, and understanding of interdependencies of tasks.

Using Earned Value Management (EVM) to balance quality, cost, and schedule requirements, TSC consistently provides optimal project delivery.



> Transportation

TSC's transportation sector serves clients in both urban and rural environments. Major discipline areas include transportation planning, schematic and conceptual highway design, traffic engineering, preparation of detailed PS&E documents for highways and bridges, and hydrology and hydraulics design. TSC also provides studies and other environmental and cultural assessments, and performs design-build as well as conventional bid-build projects. Our varied transportation client base includes numerous TxDOT districts across the state, various toll road authorities, and a variety of cities, counties, and municipalities.

> Municipal

Delivery of municipal projects has been a major endeavor of TSC since its establishment. Our engineers are experienced in preparing construction plans, specifications, and estimate documents for aviation facilities, major water lines, rehabilitation and expansion of neighborhood streets, sidewalks, and bikeways. TSC's professional engineers and technicians in the municipal sector perform at the highest level, consistently meeting demanding quality, time, and money objectives.

> Educational, Institutional, Commercial, and Land Development

With the widest array of project types and responsibilities at TSC, engineers in this sector provide planning, engineering, design, and project management services for institutions of higher education, public school districts, residential



subdivisions, light commercial developments, hospitals and clinics, retail developments, and recreational facilities. In this sector, TSC typically serves in the site civil role, providing the following services: lot layout and platting, designs for floodwater detention, water and sanitary sewer systems, ground and elevated parking, access roadways, utility design, governmental agency coordination, permitting, environmental assessments, FEMA application and coordination interface, construction cost estimating, and construction management services.

> Industrial/Federal Government

TSC's Industrial/Federal Government sector serves the vast Texas Gulf Coast industrial complex encompassing Houston, as well as the myriad of federal government activities from NASA to Pantex to the military/industrial complex of the Dallas-Fort Worth area. Our relevant experience and the right geographical office locations allow TSC to play an important role in multi-discipline projects.

> Land Surveying

TSC's engineers are supported by numerous survey field crews and a compliment of Registered Professional Land Surveyors. TSC's surveying services include boundary and topographic surveys, hydrographic surveys, and right-of-way mapping and acquisition. TSC utilizes conventional methods as well as state-of-the-art GPS (Global Positioning) and GIS (Geographic Information) systems.