

Toyota Motor Manufacturing, Texas

# Site Selection for an Automotive Assembly Plant



## value promise

Within 36 hours, SSOE arranged and obtained aerial photography of an alternate project site.

In addition to designing this greenfield truck assembly plant, SSOE also provided site selection services for the 2,000-acre site. The project required a high level of confidentiality throughout the entire site selection process. SSOE worked with state and local economic development authorities to locate the potential properties for analysis.

Site services included evaluating topography, climatic conditions, severe weather potential, transportation, soils, hydrological, electrical service, gas service, water service, wastewater treatment service, and rail service at various locations in multiple states in the central and south central US. SSOE evaluated project sites ranging from 1,800 acres to 2,300 acres. Site observation visits were performed on the preferred geographic locations. A site report was prepared along with supporting documentation for each site. To provide a ranking of each location, a summary matrix of critical attributes was presented to Toyota electronically for use by top management.

Utilizing 3D MicroStation design platform, SSOE electronically produced the architectural rendering for ground breaking announcements, press releases, and public relations purposes. Toyota also requested an additional site evaluation in a neighboring state and within 36 hours, a helicopter was dispatched and obtained a fully annotated digital video of the site showing key features.

**size** 2.3 million SF

**location** San Antonio, Texas

## highlights

Design/build project delivery

\$850 million investment by Toyota

Operations included stamping, body, weld, paint, plastic, and assembly

Production start-up began in 2006

Annual capacity of 200,000 full-size trucks

Award of Excellence, Industrial Design, Texas Construction Magazine