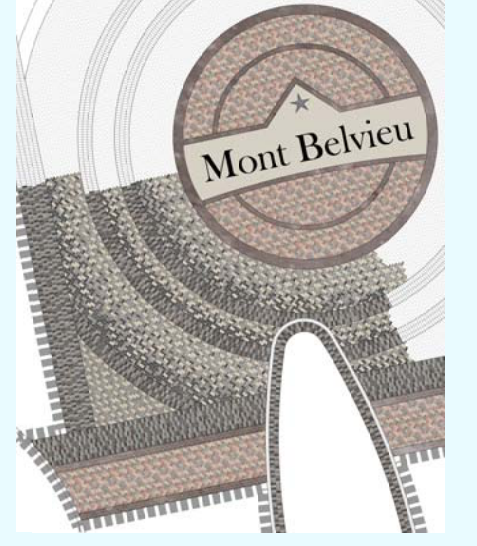


# LANGSTON BOULEVARD CONSTRUCTION

## MOUNT BELVIEU, TEXAS



**GCE** provided design and construction support services to the City of Mount Belvieu for the extension of Langston Boulevard from Eagle Drive (FM-3360) to Franklin Street.

The proposed roadway was approximately 0.4 miles in length and consisted of 4 —12-foot lanes, a 32-foot raised median, and a 10-foot wide multi-purpose walkway on the north side of the roadway within a 120-foot right-of-way.

Langston Blvd serves an approximately 50-acre new retail development complex, a 120-acre residential development and future connection to proposed Grand Parkway Segment I -1. Once developed, Langston Blvd will serve as a major gateway to the City of Mount Belvieu.

As such, the city has directed **GCE** to incorporate landscaping of medians, the use of decorative pavers at intersections, special lighting stands, as well as electrical receptacles for holiday/special event lighting.



### **GCE** services included:

- ◆ Hydrologic and hydraulic analysis for the approximately 170-acre development area associated with the roadway and Drainage Design
- ◆ Traffic analysis to determine intersection geometry including Traffic signal modifications at Eagle Drive
- ◆ Roadway Pavement and geometric design
- ◆ Intersection improvement and traffic signal modification design at Eagle Drive
- ◆ Incorporation of landscaping and decorative power elements in the design
- ◆ Illumination design consistent with the character of the area and City vision
- ◆ Design of a 12-inch watermain and a 15-inch sanitary line along the roadway
- ◆ Coordination with Chevron Pipeline Corporation on fire gaslines that ran parallel to and south of ROW. Designed storm sewer, water, and sanitary sewer crossings under the pipeline easements
- ◆ Bidding and Construction Services



**GC Engineering, Inc.**