



High Level Road Traffic Operational Study and Conceptual Design

GC Engineering, Inc. was contracted by the Port of Houston to perform a traffic operations study and conceptual design for High Level Road.

GCE analyzed existing and future traffic conditions and provided recommendations to improve overall traffic flow and operations along the corridor with a service area of approximately 575 acres.

GCE work included:

- ◆ Field observations and traffic data collection (24-hr machine counts and 6-hr TMCs)
- ◆ Comprehensive stakeholder and business owner surveys
- ◆ Traffic growth modeling based on the history of ship calls and projected expansions
- ◆ Developing roadway/traffic improvement alternatives
- ◆ Level of Service (LOS) analyses of alternatives
- ◆ Preparation of conceptual plans for selected alternative, which included:
 - ⇒ Roundabout design for a 5-way intersection
 - ⇒ Truck U-Turn areas
 - ⇒ Commercial driveways
 - ⇒ Special provisions during automobile unloading operations.



GCE's innovative approach to the PHA project including the techniques developed in arriving at projected growth has resulted in proper planning for current and future improvements to High Level Road.

GC Engineering, Inc.

