



SH 99 GRAND PARKWAY F&G

ALTERNATIVE DELIVERY PROGRAM

DEVELOPER: Zachry-Odebrecht



SUCCESS STORY



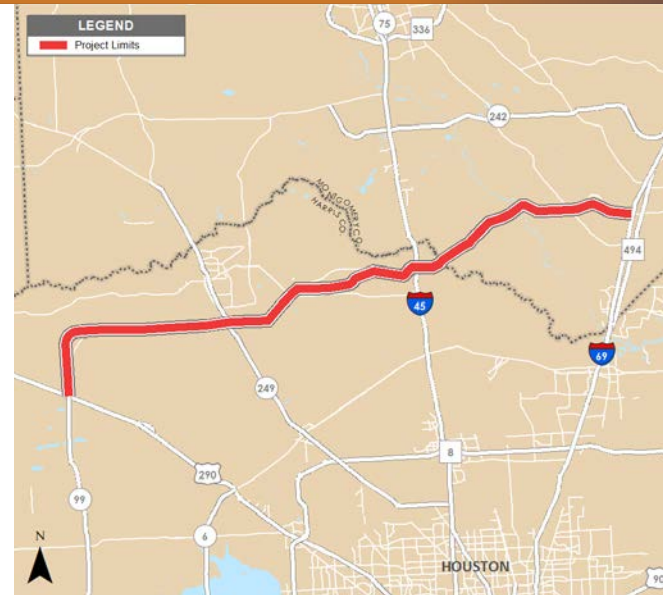
CDA DESIGN-BUILD BENEFIT

- Effective and organized utilization of design, acquisition, bond finance, construction, toll integration and commercial professionals from the public and private sectors.



PROJECT BENEFITS FOR THE TRAVELING PUBLIC

- Enhanced mobility and economic growth for the area.
- Made residents and travelers more safe through the addition of hurricane and emergency evacuation routes for Houston residents.
- Added much-needed capacity to alleviate traffic problems caused by population growth.
- Allowed for faster and safer travel altogether.



PROJECT DESCRIPTION

Segment F-1 : FROM: US 290 TO: SH 249

Segment F-2 : FROM: SH 249 TO: I-45 North

Segment G : FROM: I-45 TO: US 59 North

LANE
MILES:
253

TOTAL CONTRACT
VALUE
\$1,081 million

PROJECT DETAIL HIGHLIGHTS

- Segment F-1 is an existing 12.0-mile, four-lane, controlled access toll road with intermittent frontage roads from US 290 near Cypress to SH 249 near Tomball through northwest Harris County.
- Segment F-2 is an existing 12-mile, four-lane, controlled access toll road with intermittent frontage roads from SH 249 near Tomball to I-45 North near Spring/the Woodlands through northern Harris County.
- Segment G is an existing 13.7-mile, four-lane, controlled access toll-road from I-45 North near Spring/the Woodlands to US 59 North in New Caney through northern Harris and Southern Montgomery counties.

CDA DESIGN-BUILD DELIVERY EFFICIENCIES

- The Design-Build Comprehensive Development Agreement (CDA) unified the flow of work from conception to completion for faster delivery, lower costs and better design.
- Streamlined coordination at the federal, state and local levels.
- Accelerated ROW Acquisition included:
 - Innovative thinking of a large team of Right-of-Way specialists acquired property on a fast-track schedule delivering over 250 parcels of land and the relocation of more than 220 residents and businesses on a fast-track schedule.
 - Research, appraisals, appraisal reviews, and acquisition and relocation services were performed without using special incentives or additional compensation for landowners.
 - 435 parcels of land encompassing more than 2,100 acres were acquired through the ROW process were acquired through the acquisition process, with the CDA Developer acquiring approximately 400 parcels, and including the relocation of more than 220 residents and businesses.

OPPORTUNITIES FOR IMPROVEMENT

- Realignment of the proposed US 59 frontage roads at the SH 99 Grand Parkway/59 Interchange:
 - Greatly reduced amount of bridge needed.
 - Removed time consuming and expensive non-standard bridge construction required for complex elevated intersections.
 - Benefited the adjacent land owner by providing potential at-grade access to the frontage roads.
 - Made ROW acquisition process easier.
- 13 ATCs in total were approved for incorporation into the comprehensive development agreement.
- Construction of an additional detention facility reduced proposed bridge length by 1 mile.
- Redirected sheet flow waters at Willow Creek through an interceptor channel to the detention facility allowing a larger portion of the Parkway to be constructed on embankment.



SH 99 Segment F at SH 290

AWARDS



2016 National Council Public-Private Partnership(NCPPT) Award Winner - single public-private partnership (P3) design-build development agreement between TxDOT/ Grand Parkway Transportation Corporation, Zachry-Odebrecht Parkway Builders.

VALUE



2,800 JOBS

All direct local jobs, not including work extended through sub-contractors.



8.8 MILLION

Total man hours contributing to the success and completion of the project.



MAJOR QUANTITIES

38 miles of divided two-lane highway, more than 120 bridges, one river crossing (San Jacinto River), 1.8 million square yards of concrete paving.