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Jacobs Engineering Group, Inc.
please contact:

Robb H. Fishman, AICP/REM
Phone: (832) 351-7234
robb.fishman@jacobs.com
www.jacobs.com

FORT BEND COUNTY, MOBILITY PROGRAM MANAGEMENT

Project Goals

In 2001, Fort Bend County faced a challenge to expedite needed planning, design, financing and construction for a \$146 million Mobility Bond Program for transportation infrastructure projects to meet rapid population shifts from Houston to growing communities and cities in Fort Bend County. As Program Manager Consultant (PMC), Jacobs helped with the addition of nearly 100 miles of new location roadways within high growth areas, and with roadway expansions and updates.

Project Results

Jacobs provided direct oversight to expedite more than 35 roadway planning and design projects, negotiating engineering contracts with consultants and preparing interlocal agreements with adjacent cities, TxDOT, and other agencies. We assisted with stakeholder and public involvement, and provided design and constructability reviews to get necessary improvements in place for growing mobility needs. Evidence of successful management in getting projects in service helped win overwhelming voter approval of the next Mobility Bond Program in 2007 that includes city partner contributions resulting in a \$266 million program.



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Project Description

Representative project examples include transportation planning and traffic engineering.

We used the H-GAC travel demand model and updated data to develop forecasts and mobility needs, and to assess traffic and impacts on land use, planned development and public and private property.

We coordinated with TxDOT to develop the scope of work for several projects including FM 359 from US 90A to Jones Creek, Mason Road from FM 359 to SH 99, and FM 1464 from US 90A to FM 1093.

We also assisted the County in advancing project readiness of major roadways for Harlem Road, FM 762, FM 723, and Westheimer Parkway.

For other projects that interface with the Fort Bend mobility program, we provided independent geometric design schematic review of two major five-level interchanges: SH 99 at Westpark Tollway, and SH 99 at US 90A.



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Our PMC team was responsible for:

- Stakeholder committees comprised of multiple cities and agencies
- Public involvement meetings
- Interlocal Agreements
- Assistance with agreements with major land owners to secure corridors
- Negotiating and managing consultant contracts for concurrent projects
- Managing utility relocation agreements
- Travel demand studies and forecasts for major thoroughfare plan
- Traffic impacts on land use and planned development
- Environmental Assessments
- Geometric design review of two major tollway interchange projects for interface with area network
- Alternatives analysis for 33-mile new location controlled access facility