

Services Provided

- Civil Design*
- Environmental Survey*
- ROW Services*

Date of Completion

*On-going*

Client

*Dallas County*

Project Manager

*Steve Heniford PE*

## Denton Drive Alternative Assessment and PS&E, Dallas, TX

AZ&B is the lead firm on the Denton Drive Improvement Project that is being sponsored jointly by Dallas County and the City of Dallas. Both the County and the City recognized that there are significant transit oriented design (TOD) opportunities along Denton Drive, which parallels **DART's GREEN LINE** from Webb Chapel to north of IH 635. The first phase of this project has been completed, and the next phase is awaiting Dallas City Council approval. To date, AZ&B has prepared roadway and TOD options for Denton Drive that are intended to invigorate the local economy and provide greater ease of access to the local community. The project entails redevelopment of a five mile stretch of road from Webb Chapel to north of IH 635. A conceptual design has been prepared and approved by the County which takes into account many of the challenges encountered in the next phase of the project:

- ✓ Meeting future traffic demand requirements
- ✓ Putting in place infrastructure for transit oriented design options
- ✓ Replacing two bridges
- ✓ Addressing public concerns and meeting community objectives
- ✓ Increasing traffic lanes and allowing the property to properly drain
- ✓ Re-routing portions of the roadway into DART's ROW
- ✓ Expanding the roadway while taking into consideration DART ROW and rail requirements
- ✓ Developing a concept that will be within the project budget
- ✓ Drainage, turning lanes, signalization, alternative routes for trucks and avoidance of historic structures were all taken into consideration during the design process

- ▶ *Advance Planning & Schematic Design*
- ▶ *Travel Demand Forecasting & Alternative Analysis*
- ▶ *Environmental Documentation Preparation and Public Involvement*
- ▶ *Civil Design and Preparation of Final PS&E package*
- ▶ *TOD Concepts*
- ▶ *QA/QC*

### Transit Oriented Design

Project also involved the development of strategies to incorporate transit oriented design options for greater public access and economic development in an area that is in need of improvement, including the following conceptual elements:

- ✓ Easily accessible pedestrian sidewalks
- ✓ Architectural, street lighting and landscape architectural designs that are highlight the area's Asian community roots
- ✓ Bike lanes that connect to the City's overall bike path program
- ✓ Roadway design to encourage flow of heavy truck traffic away from the commercial areas
- ✓ Incorporation of the DART Stations into the overall design and allowing easy access to these important area assets

To gain public acceptance of these improvement, AZ&B staff made several presentations to community organizations, such as the Asian Chamber of Commerce and a local government transportation committee sponsored by Dallas Commissioner Maureen Dickey.

***To take full advantage of roadways opportunities, AZ&B met with City, County, DART and TxDOT officials throughout the process to foster overall acceptance of the project and cooperation among the various agencies.***