

Services Provided

Surveying

Civil Design

*Construction Phase
Services*

Date of Completion

August 2015

*(Substantial
Completion)*

Client

*Jacobs Engineering
Group*

Project Designer

*Jeff Thomas, PE,
CFM*

F. Paul Purpura, PE

Project Manager

*Jeff Thomas, PE,
CFM*

Project Landscape

Architect

Chad St. John, ASLA

DCTA/Lewisville Trail Phase 1

AZ&B provided survey, civil design and construction phase services for the construction of the Denton County Transit Authority (DCTA)/Lewisville Trail in the City of Lewisville, Texas. AZ&B served as a civil engineering subconsultant to Jacobs Engineering Group (Jacobs). This project consisted of a 3.29-mile long, 10-foot wide concrete multi-use trail running from DCTA's Hebron Station to just north of the Mill Street/Jones Street intersection. It also included dedicated bike lanes and a temporary sidewalk connection through Downtown Lewisville. AZ&B performed the following tasks for Jacobs on this trail project:

- ✓ Commissioned an aerial survey of the project, supplemented with ground survey of utilities and topographic features.
- ✓ Designed the horizontal and vertical alignments of the proposed trail to fit within existing City and DCTA rights-of-way. Provided plans to adjust City water and sewer facilities to accommodate the proposed trail.
- ✓ Prepared traffic signal modification plans for the installation of Accessible Pedestrian Signal (APS) units for three major signalized intersections along the trail route.
- ✓ Prepared a baseline Stormwater Pollution Prevention Plan (SWPPP). This baseline SWPPP contained an erosion control plan and the details and verbiage needed by the Contractor to transform the baseline plan into a working SWPPP.
- ✓ Provided trail signage plans in accordance with the Texas Manual on Uniform Traffic Control Devices (MUTCD).
- ✓ Prepared horizontal layout plans for the placement of dedicated bike lanes on existing City streets.
- ✓ This project was administrated by DCTA and funded by a TxDOT-administered grant for ultimate acceptance and maintenance by the City of Lewisville. Therefore, three agencies reviewed each submittal. Plans were prepared in accordance with the applicable TxDOT and City of Lewisville standards and specifications.
- ✓ Prepared engineering project cost opinions at the 30, 60 and 100 percent phases of design.
- ✓ Coordinated with the three reviewing agencies, addressing their comments and providing resolution of any conflicting review comments.
- ✓ Provided construction phase services, including responding to Contractor RFI's, reviewing shop drawings and material submittals, and meeting on-site to resolve construction issues.

