

Services Provided

*Surveying*

*Civil Design*

Date of Completion

South Section

*Design Complete*

*August 2015*

North Section

*Currently on hold*

Client

*DART*

Project Designers

*Dick T. Grice, PE*

*Jeffrey C. Thomas, PE*

*Shannon W. Nerren, PE*

*Reyna E. Hurtado, EIT*

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Project Manager

*Victor M. Zepeda, PE*

Construction Admin

*J. Francisco DeVilla,*

*PE*

## Union Station Oak Cliff Streetcar Extension South Section

AZ&B is the lead engineering design firm for the design-build extension of the Dallas Streetcar Extension Project for the City of Dallas and DART. The Project is divided into two extension segments. The Southern Extension will extend the USOC Streetcar from the current southern terminus at the intersection of Beckley Ave. and Colorado Blvd. to the Bishops Arts District near the intersection of West 7<sup>th</sup> Street and Zang Blvd. The Northern Extension will provide a loop along the block bounded by Young St., Lamar St., Wood St., and Houston St. that will serve Union Station, the Dallas Convention Center, and the Omni Convention Center Hotel. Specific tasks performed by AZ&B and/or its sub-consultants include the following:

- ✓ Topographic survey.
- ✓ Mapping of existing utilities and coordination of City and franchise utility relocation.
- ✓ Advanced guideway alignment and trackwork design details from existing conceptual level plans to final design plans suitable for construction.
- ✓ Prepared plan/profile sheets for adjustment of existing storm sewer laterals and drainage inlets. Designed extension of storm sewer trunk line in Davis St. to cross the streetcar tracks and provide a stub-out for future high density mixed use development.
- ✓ Prepared a baseline Stormwater Pollution Prevention Plan (SWPPP).
- ✓ Designed traffic signal modifications for three intersections and a pedestrian signal at the 6<sup>th</sup> Street Stop. This included interconnections between the traffic signals and streetcar systems elements.
- ✓ Design of systems elements, including catenary wires and poles and streetcar signals.
- ✓ Design of street modifications and pavement replacement along Zang Blvd. and Beckley Ave. Zang Blvd. was narrowed by one lane each direction by reconstructing and widening the existing median to facilitate streetcar operations.

