

# Corridor D

## Second Creek Greenway Extension

### Greenway Route Description

The Corridor D greenway corridor is a 1.1 mile extension of the Second Creek Greenway trail from the north end of World's Fair Park to Baxter Avenue. The trail extends from the intersection of World's Fair Park Drive and Grand Avenue as a 10-foot wide sidepath along Grand Avenue for approximately 420 feet. The trail turns off the street and proceeds along Second Creek and through the railroad underpass as an off-street 10-foot wide greenway trail for approximately 230 feet. On the north side of the railroad the trail continues northward approximately 0.33 mi. as an off-street 10-foot wide greenway trail to Van Street. The greenway trail continues along Van Street for approximately 460 feet as a 10-foot wide sidepath on the east side of Van Street. From Van Street the greenway trail proceeds northward approximately 0.56 mil to Baxter Street as an off-street 10-foot wide greenway trail.

Demolition in this corridor is minimal and will include removal of some concrete sidewalk and curb and gutter to install the trail facilities. The typical trail cross section shall be 2” asphalt over 6” base stone. Curb ramps and greenway trail crosswalk pavement markings are provided at all street crossings. Limited street construction, curb and gutter, storm drainage improvements and limited retaining wall construction are included. A new pedestrian bridge is planned to span over Second Creek just south of Bernard. A mini-park trailhead and parking area are planned in the area bounded by Fifth, Richards, Fourth and Van.

### Connectivity

The Corridor D greenway corridor connects the STEM Academy and World's Fair Park to the Beaumont, Mechanicsville and Downtown North Neighborhoods. When completed, Corridor D will be interconnected with approximately 19.2 miles of greenways including the Bearden Village, Sequoyah, Third Creek, Knox/Blount, Neyland, Second Creek, Morningside and James White Greenways. Facilities that are linked by this interconnected greenway trail system include several parks, schools, churches and a YMCA.

### Right-of-Way

#### Easements

The City has a Notice of Interim Trail Use (NITU) with CSX Railroad for the majority of this corridor. The need for 4 construction easements is anticipated in this corridor.

Estimated duration: 12 months

#### Acquisition

The acquisition of four vacant parcels bounded by Fifth Avenue, Richards, Fourth and Van is proposed as the site of a new mini-park and trailhead parking area. Consideration may also be given to including these park improvements as part of the overall redevelopment effort in this area of the City.

Estimated duration: 12 months (concurrent with securing easements)

#### TDOT

A TDOT license agreement is anticipated for those sections of the trail located on TDOT ROW.

Estimated duration: 6 months (concurrent with securing easements)

### Permits

#### TDEC/USACE/TVA (ARAP Permit)

Second Creek new pedestrian bridge crossing: Estimated duration- 6 months

#### City of Knoxville (FEMA) No-Rise Certification for 500-year Flood

Trail improvements within the 500-year flood zone: Estimated duration- 6 months

#### City of Knoxville (FEMA) No-Rise Certification within the No-Fill Line

Trail improvements within the 500-year flood zone: Estimated duration- 6 months

#### Environmental Factors

Several areas of potential environmental concern were identified along this corridor. Further environmental investigation is anticipated in this corridor. Potential habitat exists within this corridor for threatened and endangered bat species of concern identified by US Fish and Wildlife Service.

### Related Projects

The Access Improvements to the I-275 Business Park project is currently under design adjacent to this corridor and includes a greenway along the east side of the proposed Blackstock Avenue Extension/Marion Street Improvement.

### Estimated Timeline for Locally Funded Project

#### Design (33 months)

- a. Designer Consultant selection: Estimated duration- 3 months
- b. Survey: Estimated duration- 2 months
- c. Preliminary Design: Estimated duration- 2 months
- d. Environmental Permitting: Estimated duration- 6 month
- e. Preliminary Design Public Meeting: Estimated duration- 2 months
- f. Geotechnical Investigations (2 locations, 1 mob.): Estimated duration- 2 months (on-going with ROW and design)
- g. Utility/Railroad coordination: Estimated duration- 12 months (ongoing with ROW and design)
- h. 90% Construction Plans: Estimated duration- 3 months
- i. Right-of-way: Estimated duration- 12 months
- j. 100% Construction Plans: Estimated duration- 3 month

#### Bid/Contract Award/Notice to Proceed (4 months)

#### Construction (9 months)

### Estimated Timeline for Federal or State Funded Project

#### Design (63 months)

- a. Follow the TDOT Local Government Guidelines for the Management of Federal and State Funded Transportation Projects.
- b. Design Consultant selection: Estimated duration- 3 months
- c. Environmental and Preliminary Engineering  
Approval of Environmental and Preliminary Engineering phase is required prior to start of project design. Preparation of a NEPA Categorical Exclusion is anticipated for this corridor. Estimated duration- 12 months
- d. Preliminary Design (Survey, Preliminary Plans, Geotechnical, Public Meetings, Structures, ROW Plans, Revisions): Estimated duration- 18 months
- e. Right-of-Way and Utility (Select Consultant(s), Public Meeting, Acquisition, Easements): Estimated duration- 18 months
- f. Final Construction Plans: Estimated duration- 12 months

#### Construction (18 months)

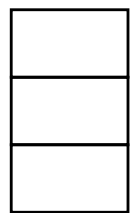
- a. CEI Consultant selection: Estimated duration- 3 months
- b. Bid/Contract Award/Notice to Proceed: Estimated duration: 6 months
- c. Construction: Estimated duration: 9 months



## CORRIDOR D

### SECOND CREEK GREENWAY - WORLD'S FAIR PARK TO BAXTER AVENUE

#### CITY OF KNOXVILLE



KEY MAP

# D1.4

NARRATIVE