

# Corridor G

## First Creek Greenway - North Knox

### Corridor Route Description

The Corridor G greenway corridor is approximately 1.23 miles in length and links the Mineral Springs/Walker Boulevard intersection to Edgewood Park. At its northern limit the Corridor G greenway trail begins at the intersection of Mineral Springs Avenue and Walker Boulevard. The trail generally runs parallel to First Creek for approximately 0.43 miles as an off-street greenway trail from Mineral Springs Avenue to the vicinity of the Walker Boulevard and Clearview Street intersection. The trail crosses Walker Boulevard at this intersection. West of Clearview Street, Walker Boulevard is re-designed to eliminate the frontage roads and provide a 10-foot sidepath on each side of the roadway. The trail proceeds along Walker Boulevard approximately 0.22 miles to the location of the existing KUB easement. The trail turns and proceeds as an off-street greenway trail within the KUB easement for approximately 0.12 miles to the Fairmont Boulevard right-of-way. From the intersection of the KUB easement and Fairmont the greenway proceeds westward along the north side of Fairmont as a neighborhood connector (8-ft wide sidewalk with on-street bicycle designation) to the intersection with Ocoee Street, a distance of approximately 0.24 miles. The greenway crosses Fairmont and runs along the west side of Ocoee Street where it proceeds approximately 0.22 miles to Edgewood Park.

Demolition in this corridor will include but not be limited to curb, curb and gutter, concrete sidewalk, asphalt, and fencing removal at selected locations along with some storm drainage demolition and replacement. Utility relocation is anticipated in the re-built section of Walker Boulevard. 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. Sitework will include curb and gutter, asphalt roadway and storm drainage improvements. One pedestrian bridge is proposed over an unnamed tributary to First Creek.

### Greenway Connectivity

The Corridor G corridor is the northernmost section of the First Creek Greenway. This segment of the First Creek Greenway will link sections of the greenway south of I-640 with proposed future greenway projects north of I-640.

### Right-of-Way

#### Easements

Easements will be required for the trail located within the KUB utility easement. It is anticipated that approximately 43 construction easements will be required along the length of this corridor.

Estimated duration: 36 months

#### Acquisition

The acquisition of approximately 8.15 acres currently separated in four parcels of land located between Walker Boulevard and First Creek is proposed as the site of a new neighborhood park.

Estimated duration: 36 months (concurrent with securing easements)

#### TDOT

No TDOT coordination anticipated.

Estimated duration: Not applicable

### Permits

#### TDEC/USACE/TVA (ARAP or LOMAR Permits)

Impacts to First Creek and unnamed tributary are anticipated: 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 No-Fill zone: Estimated duration- 6 months

#### Environmental Factors

Potential habitat exists within this corridor for threatened and endangered bat species of concern identified by US Fish and Wildlife Service. No areas of potential environmental concern were noted.

### Related Projects

The Mineral Springs Bridge Replacement project is underway at First Creek. This bridge replacement project abuts the proposed Corridor G greenway.

### Estimated Timeline for Locally Funded Project

#### Design (54 months)

- Designer Consultant selection: Estimated duration- 3 months
- Survey: Estimated duration- 3 months
- Preliminary Design: Estimated duration- 6 months
- Preliminary Design Public Meeting: Estimated duration- 2 months
- Geotechnical Investigations (4 locations, 1 mob.): Estimated duration- 3 months (ongoing with ROW and design)
- Utility coordination: Estimated duration- 12 months (ongoing with ROW and design)
- 90 Percent Construction Plans: Estimated duration- 8 months
- Right-of-way: Estimated duration- 24 months
- 100% Construction Plans: Estimated duration- 8 months

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

#### Construction (16 months)

### Estimated Timeline for Federal or State Funded Project

#### Design (72 months)

- Follow the TDOT Local Government Guidelines for the Management of Federal and State Funded Transportation Projects.
- Design Consultant selection: Estimated duration- 3 months
- 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- 9 months
- Preliminary Design (Survey, Preliminary Plans, Geotechnical, Public Meetings, Structures, ROW Plans, Revisions): Estimated duration- 24 months
- Right-of-Way and Utility (Select Consultant(s), Public Meeting, Acquisition, Easements: Estimated duration- 24 months
- Final Construction Plans: Estimated duration- 12 months

#### Construction (24 months)

- CEI Consultant selection: Estimated duration- 3 months
- Bid/Contract Award/Notice to Proceed: Estimated duration: 5 months
- Construction: Estimated duration: 16 months

