

Corridor J

South Waterfront Greenway

Greenway Route Description

The Corridor J greenway is approximately 1.71 miles in length of which about 0.10 mile is constructed as part of the adjacent private development. The Corridor J greenway links the existing James White/Neyland and Morningside Greenways on the north side of the Tennessee River to the existing Will Skelton Greenway at Island Home Park on the south side of the river. The trail is a 10-foot wide sidepath for approximately 0.13 mi. along the George Dempster Drive on-ramp to southbound James White Parkway to a point where it meets the South Knoxville Bridge. The trail continues for approximately 0.37 mi. along the west side of the bridge as a 10-foot wide sidepath separated from vehicular traffic by a concrete guardrail. The trail departs the bridge and proceeds at an angle away from the Sevier Avenue exit ramp as a 10-foot wide sidepath that turns and continues along Ford Place to the intersection with McCormick Street, a distance of approximately 0.14 mi. The trail then follows McCormick Street for approximately 0.19 mi. as an 8-foot wide neighborhood connector with on-street bicycle facilities that crosses the railroad and Sevier Avenue and continues to a point of intersection with the riverfront greenway trail. The trail turns east along the river and continues for approximately 0.15 mi. as an off-street 10-foot wide greenway trail along the bank of the Tennessee River. At the point where the trail intersects with Island Home Avenue the trail proceeds for approximately 0.29 mi. as an elevated trail on structure at the top of the riverbank to a point where it connects to the elevated trail constructed as part of the adjacent private development. In the vicinity of the Island Home Avenue/Maplewood Drive intersection the trail continues approximately 110 feet as a 10-foot wide off-street greenway trail to a 100-foot long pedestrian bridge located at the mouth of Baker Creek. The trail continues from the Baker Creek pedestrian bridge approximately 0.30 mi. as an off-street 10-foot wide greenway trail to a point of connection with the Will Skelton Greenway in Island Home Park.

Demolition in this corridor includes removal of underground drainage, concrete sidewalk, concrete curb, and asphalt roadway required to relocate Island Home Avenue as part of the greenway trail construction along the riverbank. Relocation of the overhead utilities at the edge of the riverbank along Island Home Avenue is also required. 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. Curb and gutter and storm drainage improvements will be required at various locations along this corridor. Concrete barrier construction will be required on the South Knoxville Bridge to protect the greenway from vehicular traffic. Cantilevered concrete greenway trail construction is planned along the section of Island Home Avenue that runs parallel to the Tennessee River.

Connectivity

The Corridor J greenway corridor connects the Morningside, Old Sevier, South Haven and Island Home Neighborhoods. When completed, Corridor J will be interconnected with approximately 23.4 miles of greenways including the Bearden Village, Sequoyah, Third Creek, Knox/Blount, Neyland, Second Creek, Morningside, James White and Will Skelton Greenways. Facilities connected along this interconnected greenway trail system include several parks, recreation centers, schools, churches and a YMCA. The Corridor J greenway corridor provides a dedicated pedestrian and bicycle route to the more than 42 miles of trails in the South Loop of Knoxville's Urban Wilderness.

Right-of-Way

Easements

A total of about 17 easements will be required in this corridor including 7 along McCormick Street, one at the KUB property located at 1745 Island Home Avenue and 9 along the closed right-of-way of Riverview Drive. The need for construction easements is anticipated for the majority of the length of this corridor.

Estimated duration: 24 months

Acquisition

The acquisition of four vacant parcels along the bank of the Tennessee River are planned to permit construction of the elevated portion of the trail.

Estimated duration: 24 months (concurrent with securing easements)

TDOT

No coordination is required with TDOT.

Permits

TDEC/USACE/TVA (ARAP Permit)

Baker Creek new pedestrian bridge crossing: Estimated duration- 12 months

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

Trail improvements within the 500-year flood zone: Estimated duration- 12 months

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

Trail improvements within the 500-year flood zone: Estimated duration- 12 months

Environmental Factors

Several areas of potential environmental concern were identified along this corridor. Further environmental investigation is anticipated in this corridor.

Related Projects

The Suttree Landing Park Improvements project is under construction on the banks of the Tennessee River in the vicinity of the Corridor J greenway trail. A multi-family housing project is under construction in the southwest quadrant of the Island Home/Maplewood Drive intersection. Approximately 0.10 mile of riverside greenway trail is being constructed as part of this private development.

Estimated Timeline for Locally Funded Project

Design (42 months)

- Designer Consultant selection: Estimated duration- 3 months
- Survey: Estimated duration- 2 months
- Preliminary Design: Estimated duration- 3 months
- Preliminary Design Public Meeting: Estimated duration- 2 months
- Geotechnical Investigation: Estimated duration- 2 months (ongoing with ROW and design)
- Utility/Railroad coordination: Estimated duration- 24 months (ongoing with ROW and design)
- 90% Construction Plans: Estimated duration- 5 months
- Right-of-way: Estimated duration- 24 months
- 100% Construction Plans: Estimated duration- 3 month

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

Construction (16 months)

Estimated Timeline for Federal or State Funded Project

Design (63 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- 12 months
- Preliminary Design (Survey, Preliminary Plans, Geotechnical, Public Meetings, Structures, ROW Plans, Revisions): Estimated duration- 18 months
- Right-of-Way and Utility (Select Consultant(s), Public Meeting, Acquisition, Easements): Estimated duration- 18 months
- Final Construction Plans: Estimated duration- 12 months

Construction (24 months)

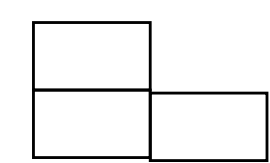
- CEI Consultant selection: Estimated duration- 3 months
- Bid/Contract Award/Notice to Proceed: Estimated duration: 5 months
- Construction- 16 months



CORRIDOR J

JAMES WHITE / NEYLAND / MORNINGSIDE GREENWAYS TO WILL SKELTON GREENWAY

CITY OF KNOXVILLE



KEY MAP

J1.4

NARRATIVE