

## Benefits of Trails

### Creating Value & Generating Economic Activity

There are many examples that affirm the positive connection between greenspace and property values. Residential properties will realize a greater gain in value the closer they are located to trails and greenspace. According to a 2002 survey of recent homebuyers by the National Association of Home Realtors and the National Association of Home Builders, trails ranked as the second most important community amenity out of a list of 18 choices. Additionally, the study found that 'trail availability' outranked 16 other options including security, ball fields, golf courses, parks, and access to shopping or business centers.

### Bicycle and Pedestrian Transportation

The sprawling nature of many land development patterns often leaves residents and visitors with no choice but to drive, even for short trips. In fact, two-thirds of all trips we make are for a distance of five miles or less. Surveys by the Federal Highway Administration show that Americans are willing to walk as far as two miles to a destination and bicycle as far as five miles. A complete trail network, as part of the local transportation system, will offer effective transportation alternatives by connecting homes, workplaces, schools, parks, downtown, and cultural attractions.

### Improving Health through Active Living

The design of our communities—including towns, subdivisions, transportation systems, parks, trails and other public recreational facilities—affects people's ability to reach the recommended 30 minutes each day of moderately intense physical activity (60 minutes for youth). According to the Centers for Disease Control and Prevention (CDC), "Physical inactivity causes numerous physical and mental health problems, is responsible for an estimated 200,000 deaths per year, and contributes to the obesity epidemic". In short, the trail networks will create better opportunities for active lifestyles.

### Clear Skies, Clean Rivers, and Protected Wildlife

There are a multitude of environmental benefits from trails, greenways, and open spaces that help to protect the essential functions performed by natural ecosystems. Greenways protect and link fragmented habitat and provide opportunities for protecting plant and animal species. Trails and greenways reduce air pollution by protecting large areas of plants that create oxygen and filter air pollutants such as ozone, sulfur dioxide, carbon monoxide and airborne particles of heavy metal. Greenways improve water quality by creating a natural buffer zone that protects streams, rivers and lakes, preventing soil erosion and filtering pollution caused by agricultural and road runoff.

### Protecting People & Property from Flooding

Open space associated with trail and greenway development often also protects natural floodplains along rivers and streams. According to the Federal Emergency Management Agency (FEMA), the implementation of floodplain ordinances is estimated to prevent \$1.1 billion in flood damages annually. By restoring developed floodplains to their natural state and protecting them as greenways, many riverside communities are preventing potential flood damages and related costs.

### Enhancing Cultural & Community Identity

Greenways can serve as connections to our heritage by preserving historic places and by providing access to them. They provide a sense of place and an understanding of past events by drawing the public to historic and cultural sites. Trails often provide access to historic features such as battlegrounds, bridges, buildings, and canals that otherwise would be difficult to access or interpret.

#### Sources:

- American Planning Association. (2002). How Cities Use Parks for Economic Development.
- National Association of Realtors and National Association of Home Builders. (2002). Consumer's Survey on Smart Choices for Home Buyers.
- Rails to Trails Conservancy. (2005). Economic Benefits of Trails and Greenways.
- NCDOT and ITRE. (2006). Bikeways to Prosperity: Assessing the Economic Impact of Bicycle Facilities.
- Rails to Trails. (Danzer, 2006). Trails and Tourism.
- U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. (2002). Guide to Community Preventive Services.
- Rails-to-Trails Conservancy. (2006) Health and Wellness Benefits.



### Durham Open Space & Trails Commission

(DOST) serves as a voluntary advisory commission to the city and county governments on open space and trails issues. DOST meetings are open to the public and take place in the Durham City Hall Committee Room, 2nd floor, the 3rd Wednesday of every month, at 7 PM.

For more information about DOST, please contact:  
John A. Goebel, Chairman  
Open Space and Trails Commission  
Email: [John.A.Goebel@gmail.com](mailto:John.A.Goebel@gmail.com)

# 1 of 5 Priority Future Trails for Durham: WEST ELLERBEE CREEK TRAIL

Durham Open Space & Trails Commission

## EXECUTIVE SUMMARY

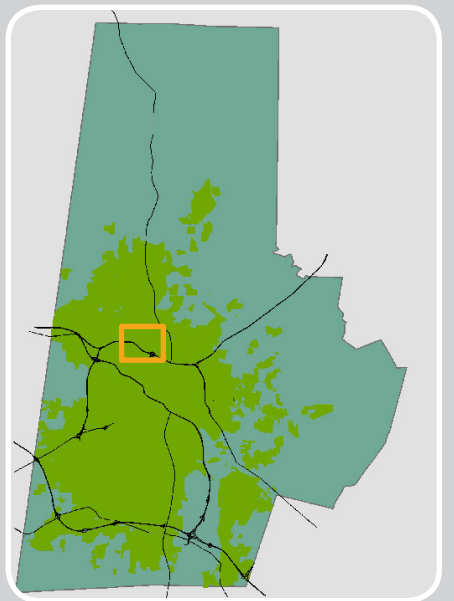
### Connecting Parks and Trails

The completed West Ellerbee Creek trail will provide Durham both a scenic trail for recreation and a useful corridor for non-motorized transportation. The existing trail links Indian Trail Park with Westover Park through a serene Nature Preserve. The one mile extension will allow trail access not only to North Pointe Shopping Center, but also the North-South Greenway system (see map on opposite page).

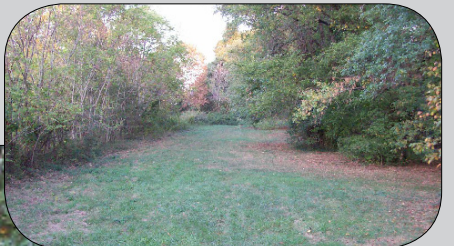
The trail extension is a winding course along the Ellerbee Creek riparian area. Trail construction includes safe pedestrian crossings at Guess Road and North Pointe Drive. As a result of active public input, NCDOT installed a pedestrian tunnel

when I-85 was widened. This urban trail offers users the ability to walk, bike or skate to a number of restaurants and shops in the North Pointe area. The trail connects to Broad Street at the North Pointe Commons Apartment complex. Users will connect to the North-South Greenway system by heading north on a new sidewalk to be constructed on the west side of Broad Street. Once connected, this corridor of trails will give offer non-vehicular access to several amenities, including Northgate Park, Whipporwill Park, and the Museum of Life & Science. Future trail plans may include a spur trail to the nearby Duke Homestead.

- Trail location; enlarged on pp.2-3
- City of Durham
- Durham County



Existing Conditions



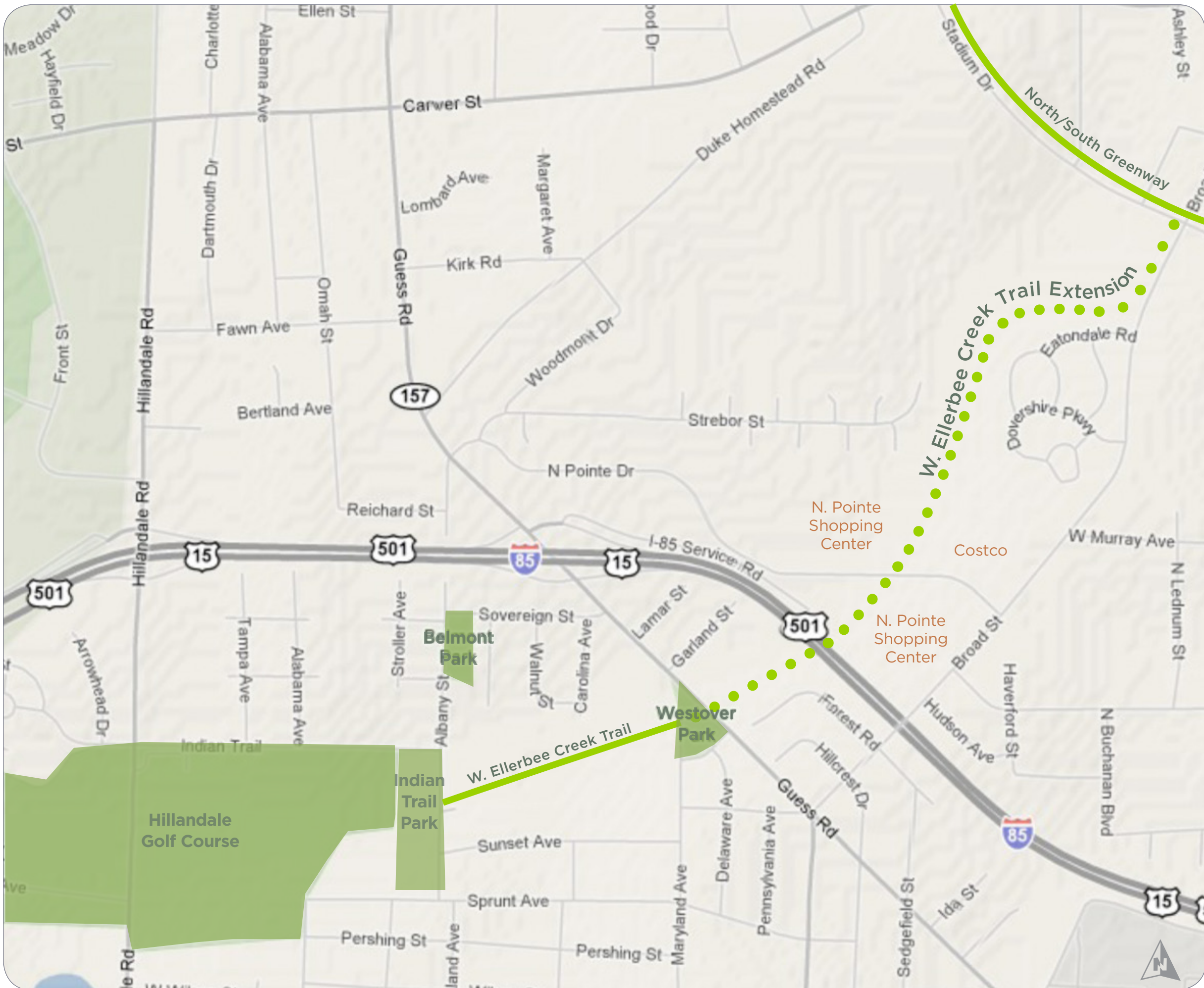
Proposed Trail



The West Ellerbee Creek corridor (above) and what it could look like with the new trail (left). Actual trail design and placement will be determined through an ecologically sensitive design process.

Prepared by Jason Reyes | [altaplanning.com](http://altaplanning.com)





## West Ellerbe Creek Trail Details

**Distance:** 1.5 Miles (Extension is 1 mile)

**Start/End:** Indian Trail Park through Westover Park to North/South Greenway at Stadium Drive

**Trail Type:** A paved multi-use greenway trail featuring boardwalks over sensitive wetland areas. Pedestrian crossing will be added at the trail crossing on Guess Rd. A 4-way intersection will be added at the trail crossing at the Costco entrance on North Pointe Drive.

**Areas Connected:** Critical link under I-85 connects neighborhoods in West, Central and Northern Durham, Museum of Life and Science, North Pointe Shopping Center, 17-Acre Wood Preserve, and several parks.

**Trails Connected:** Connects to North/South Greenway system

**Functions:** Provides safe off-road connection to shopping, several parks, and city-wide trail system

**Preliminary Cost Estimates:**

Corridor Acquisition:  
\$75,000

Construction of Trail Extension:  
\$1,007,000

**Project Funding:**

City of Durham  
Department of Transportation

**Get Involved**

Visit the Ellerbe Creek Watershed Association (ECWA) at [www.ellerbecreek.org](http://www.ellerbecreek.org), or contact Chris Dreps, Executive Director 919-698-3680, [chris@ellerbecreek.org](mailto:chris@ellerbecreek.org)

- Park/Recreation
- Existing Trail
- Proposed Trail

0.5 Miles