



2.0 Transportation

2.1 Introduction

The Holly Springs Comprehensive Transportation Plan (CTP) addresses expected growth in the Holly Springs area as well as the unincorporated areas in Wake County contained within the Town's planning boundary. The plan proposes a multimodal transportation network that fosters growth while preserving the environmental, cultural, and social character of the area. This document considers new planning factors established in the most recent federal transportation authorization legislation. The CTP also looks beyond the extents of the existing transportation network to determine the effects of growth on the built environment, with the goal of developing strategies that strive to balance the land use and transportation equation. The Comprehensive Transportation Plan document can be accessed via the Town website at

<http://www.hollyspringsnc.us/629/Comprehensive-Transportation-Plan>

2.2 Transportation Objectives

- 1) Support the economic vitality of the area, especially by enabling global competitiveness, productivity, and efficiency.
 - a. Improve access to downtown Holly Springs and key activity centers for people and freight.
- 2) Increase the safety of the transportation system for motorized and non-motorized users.
 - a. Provide a safe traveling experience for all users by implementing safety measures at high priority crash locations and improving facilities for bicyclists and pedestrians.
- 3) Increase the security of the transportation system for motorized and non-motorized users.
 - a. Implement a flexible transportation system that aids the response to and recovery from natural and manmade disasters.
- 4) Increase the accessibility and mobility of people and for freight.
 - a. Develop a comprehensive set of typical cross sections that illustrate effective congestion management and context-sensitive solutions that balance local accessibility with regional mobility.
- 5) Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns.

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- a. Integrate land use and transportation policies to limit impacts to sensitive land, focus development in prime locations, encourage trips by modes other than personal automobiles, and enhance the region's quality of life.
 - b. Minimize direct and indirect environmental impacts of the transportation system by first considering improvements to the existing system before selecting strategic locations for newly constructed facilities.
 - c. Support mixed-use development to encourage biking and walking, in turn improving the Holly Springs area's environment and the health of its citizens.
- 6) Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight.
- a. Connect homes, parks, community activity centers, employment hubs, and other key destinations to one another through a coordinated network of bicycle facilities and off-road trails.
 - b. Promote a pedestrian-friendly environment by filling gaps and improving connectivity throughout the sidewalk system and to key destination or activity nodes.
 - c. Create a system of interconnected streets to improve mobility and distribute traffic efficiently and appropriately by purpose and function.
- 7) Promote efficient system management and operation.
- a. Encourage streetscape and traffic calming features in roadway designs for collector and residential streets.
 - b. Outline how local policy can encourage a network of Complete Streets that operate efficiently as conduits of travel and elements of public space.
 - c. Identify opportunities to integrate Intelligent Transportation Systems (ITS) as part of an overall transportation management strategy.
- 8) Emphasize the preservation of the existing transportation system.
- a. Develop a plan that maximizes benefits to the transportation system while minimizing costs.
 - b. Recognize that the area's most important transportation corridors must balance the needs of adjacent property owners dependent upon access to the roadway with the needs motorists, bicyclists, and pedestrians.

2.3 Navigating the Comprehensive Transportation Plan (CTP)

The recommendations that form the essence of this plan represent the collective vision for a safe, multimodal, and interconnected transportation system that supports continued economic development without compromising the natural, historic, and social resources vital to the area's sustainability. The elements that



follow, beginning with existing conditions and concluding with an implementation plan, adhere to this vision.

Chapter 1 – Introduction and Planning Process

This chapter discusses the transportation planning process and how critical public involvement and collaboration with stakeholders is to the success of the creation and implementation of the CTP.

Chapter 2 – Social and Environmental Resources

This chapter sets the stage for the transportation network recommendations by detailing the current social, economic, and environmental conditions in the study area. Current and projected land use needs established by previous planning efforts are also discussed.

Chapter 3 – Roadway Element

This chapter addresses the existing roadway conditions in the study area and produces a set of recommendations. Roadway recommendations are considered from the intersection to the corridor level, and include collector street levels and higher. Congestion management, safety, and regional connectivity are all addressed in this section.

Chapter 4 – Bicycle and Pedestrian Element

The Bicycle and Pedestrian Element addresses the recent bicycle, pedestrian, and greenway planning efforts that have been undertaken by the Town of Holly Springs. Existing facility types and proposed recommendations are introduced.

Chapter 5 – Transit Element

This chapter discusses the different types and intensities of transit service options to the Triangle region. Transit recommendations are discussed that seek to address current demands and build a base for higher-level transit service in the future.

Chapter 6 – Funding and Implementation

This chapter references the recommendations established for each of the modal elements and develops a prioritized process for evaluating these projects. Cost estimates are provided for major projects, and potential funding opportunities are discussed.