

OPPORTUNITIES AND CONSTRAINTS

Opportunities

The planning area for the City of Hendersonville can easily be divided into two general areas with regard to the types of opportunities that will be afforded the City for future bicycle and pedestrian route development. These two areas are north of the Vietnam Veterans Boulevard, and south of the Vietnam Veterans Boulevard.

North of the Vietnam Veterans Boulevard, most of the planning area is undeveloped agricultural land, and south of the Vietnam Veterans Boulevard, most of the planning area is developed. Further, it appears that the planning area is continuing to develop from south to north, north of the Vietnam Veterans Boulevard.

As a result of the current development pattern, opportunities south of the Vietnam Veterans Boulevard consist mostly of bicycle routes along existing streets in residential areas. Significant opportunities also exist for bike lanes and sidewalks along collector streets and arterials. However, most of these bike routes and sidewalks are along roadway segments that have planned improvements within the next 20 years under the Major Thoroughfare Plan, and will most likely occur as these roadway improvements are implemented. Opportunities for bike paths south of the Vietnam Veterans Boulevard occur only at existing parks and schools. Some opportunities also exist for paths within the Environmental Study Area along Walton Ferry road.

Since the area north of the Vietnam Veterans Boulevard is mostly undeveloped, several opportunities exist for the planned development of bike paths, lanes and routes. Significant opportunities exist along Drakes Creek and Station Camp Creek from the Vietnam Veterans Boulevard to the northern planning boundary for multi-use bicycle and pedestrian paths. Another very good opportunity also exists south of the Vietnam Veterans Boulevard along Mansker Creek from Old Hickory Lake up to a point north of Moss Wright Park in Goodlettsville for a multi-use bicycle and pedestrian path. In contrast with the southern portion of the City, fewer opportunities for bike lanes and routes exist north of the Parkway due to there being fewer existing roadways. The Major Thoroughfare Plan also calls for few projects north of the Vietnam Veterans Boulevard, thus not many opportunities exist for bike lanes and sidewalks to be added as a part of roadway improvements.

Constraints

Three primary constraints exist within the City that will create difficulty in the implementation of a bicycle and pedestrian network. These are:

- the Vietnam Veterans Boulevard (State Route 386);
- the CSX railroad; and,
- Main Street (US 31E, State Route 6).

The Vietnam Veterans Boulevard is a four lane controlled access highway. Providing for bicycle and pedestrian access either over or under this facility will be both difficult and expensive. Therefore, bicycle and pedestrian crossings at the Vietnam Veterans Boulevard will most likely occur only at the existing, or future, grade separations.

The CSX railroad is an active main line for CSX and runs essentially parallel to the Vietnam Veterans Boulevard. Again, providing for bicycle and pedestrian access either over or under this facility will be both difficult and expensive. Therefore, bicycle and pedestrian crossings at the CSX railroad will most likely occur only at the existing, or future, grade separations.

Main Street also presents a constraint to the City, although not to the extent of the Vietnam Veterans Boulevard or the railroad. The average daily traffic on Main Street exceeds 50,000 vehicles per day. However, there are numerous traffic signals that slow the traffic down and create gaps.

Other constraints exist throughout the planning area in the form of utilities. These types of constraints are typically resolved during the detailed planning and design phase of specific bicycle and pedestrian segments.

POTENTIAL CORRIDORS

Potential corridors will be discussed by the following general areas:

- Walton Ferry Peninsula
- Indian Lake Peninsula
- Cages Bend Peninsula
- Main Street to the Vietnam Veterans Boulevard
- North of the Vietnam Veterans Boulevard

Walton Ferry Peninsula

Potential corridors on the Walton Ferry Peninsula consist of a mixture of multi-use paths, lanes and routes. Potential bike paths within this area are limited to existing parks and the Environmental Study Area on the western bank of the peninsula. The existing parks include Rockland Recreational Area, Mallard Point Park and Sanders Ferry Park.

The Rockland Recreational Area (TVA) includes existing paved roadways that make for excellent recreational use by both bicyclists and pedestrians. The roads are used by motorized vehicles, but are part of the park and typically have low volumes and low speeds. Access to these existing facilities by means of the bicycle and pedestrian network should be provided.

Mallard Point Park includes some existing facilities, and offers interesting potential for network and corridor expansion with scenic lakeside views. Potential development for bicycle and pedestrian ways has been recognized prior to the implementation of this study, and has been jointly developed by the U. S. Army Corps of Engineers and the City of Hendersonville.

Sanders Ferry Park also includes existing paved roadways that make for excellent recreational use by both bicyclists and pedestrians. Prior to the beginning of this study, the City had begun plans to expand the development of the bicycle and pedestrian paths within this park. The roads within the park are used by motorized vehicles, but typically have low volumes and low speeds. Access to these existing facilities by means of the bicycle and pedestrian network should be provided.

The Environmental Study Area creates limited opportunity for paths to be used to connect portions of the network within the area. However, the development of a significant multi-use path within this area does not exist because of the limited size of the area.

Other potential corridors within this area consist of bike lanes and routes. Table II-1 is a summary of the potential corridors for this area.

**TABLE II-1
POTENTIAL CORRIDORS
WALTON FERRY PENINSULA**

PROJECT	FROM	TO	IMPROVEMENT
Rockland Recreational Area	N/A	N/A	Park Roadways
Mallard Point Park	N/A	N/A	Multi-Use Paths
Sanders Ferry Park	N/A	N/A	Multi-Use Paths
Environmental Study Area	N/A	N/A	Multi-Use Paths
Mansker Creek	Rockland Recreation Area	Moss Wright Park	Multi-Use Path
Walton Ferry Road	Walton Ferry Elem. Sch.	Gallatin Road	Bike Lanes
Imperial Blvd.	Gallatin Rd.	Stadium Dr.	Bike Lanes
Imperial Blvd. Extension	Stadium Dr.	Sanders Ferry Rd.	Bike Lanes
Lakeside Park Drive Ext.	Homestead Drive	Imperial Boulevard	Bike Lanes
Rockland Road	Imperial Blvd.	Freehill Road	Bike Lanes
Rockland Road Ext.	Freehill Road	Center Point Road	Bike Lanes
Center Point Road	Rockland Road Ext.	Gallatin Road	Bike Lanes
Walton Ferry Peninsula	All Local Roads	All Local Roads	Bike Routes

Indian Lake Peninsula

Potential corridors on the Indian Lake Peninsula consist of a mixture of multi-use paths, lanes and routes. Potential bike paths within this area are limited to an existing park, several schools, an area behind the cemetery near Wal-Mart, and the Rock Castle Historic Site. The existing park is Memorial Park and the existing schools are Hendersonville High School, Ellis Middle School, Nannie Smith Elementary School and Indian Lake Elementary School.

Memorial Park includes some existing facilities, and like Mallard Point Park on the opposite side of Drakes Creek, offers interesting potential for network and corridor expansion with scenic lakeside views. Again, potential development for bicycle and pedestrian facilities has been recognized prior to the implementation of this study, and has been jointly developed by the U. S. Army Corps of Engineers and the City of Hendersonville.

Several corridors for bicycle and pedestrian paths and sidewalks have already been identified by the City for immediate development near Hendersonville High School, Ellis Middle School and Nannie Berry Elementary School. State and federal funds are being sought by the City under an application presented to TDOT dated June 30, 1999.

Opportunities for paths that will serve as connectors exist at the cemetery near Wal-Mart, the Rock Castle Historic Site and at Indian Lake Elementary School.

Other potential corridors within this area consist of bike lanes and routes. Table II-2 is a summary of the potential corridors for this area.

**TABLE II-2
POTENTIAL CORRIDORS
INDIAN LAKE PENINSULA**

PROJECT	FROM	TO	IMPROVEMENT
Memorial Park	N/A	N/A	Multi-Use Paths
Schools	N/A	N/A	Multi-Use Paths/Sidewalks
Wal-Mart/Cemetery	Bonita Parkway	Anderson Lane	Multi-Use Path
Indian Lake Elementary	Choctaw Dr.	Indian Lake Rd.	Multi-Use Path
Rock Castle Path	Island Dr.	Rock Castle	Multi-Use Path
Bonita Parkway	Gallatin Rd.	Waterview	Bike Lanes
Indian Lake Peninsula	All Local Roads	All Local Roads	Bike Routes

Cages Bend Peninsula

Potential corridors on the Cages Bend Peninsula consist of bike routes along existing local roadways.

Gallatin Road to the Vietnam Veterans Boulevard

Potential corridors within this area consist of a mixture of multi-use paths, lanes and routes. Potential bike paths within this area are limited mostly to existing parks and schools. These include Drakes Creek Park and Wessington Place Elementary School. An opportunity also exists along the northern side of the CSX railroad between Drakes Creek Park and Stop Thirty Road. The opportunity for a path along Mansker Creek also exists for a short distance within this area at the western planning boundary.

The Drakes Creek Park includes existing paved roadways that make for excellent recreational use by both bicyclists and pedestrians, as well as several paved and non-paved bicycle and pedestrian paths. The paved roads are used by motorized vehicles, but are part of the park and typically have low volumes and low speeds. Access to these existing facilities by means of the bicycle and pedestrian network should be provided.

The Wessington Place Elementary School property is located just north of Drakes Creek and provides for several opportunities for bike paths. The potential for development of additional bike paths has been recognized prior to the implementation of this study, and has been further developed by the City of Hendersonville.

Other potential corridors within this area consist of bike lanes and routes. Table II-3 is a summary of the potential corridors for this area.

**TABLE II-3
POTENTIAL CORRIDORS
GALLATIN ROAD TO VIETNAM VETERANS BOULEVARD**

PROJECT	FROM	TO	IMPROVEMENT
Wessington Pl. Elem. School	N/A	N/A	Multi-Use Paths
Wessington Connector	Drakes Creek Park	Wessington Pl. Elem. School	Multi-Use Path
CSX Railroad	Drakes Creek	Stop Thirty Rd.	Multi-Use Path
Boone-Holman/ Evergreen/Holly Dr.	Freehill Rd.	Township Dr.	Bike Lanes
Molly Walton Rd.	Freehill Rd.	Eastern End	Bike Lanes
Gallatin Road	Indian Lake Drive	East Study Boundary	Bike Lanes
Indian Lake Boulevard	Gallatin Rd.	Existing Northern Terminus	Bike Lanes

TABLE II-3 (Continued)

PROJECT	FROM	TO	IMPROVEMENT
Township Dr.	Savely Dr.	New Shackle Island Rd.	Bike Lanes
Freehill Rd.	Rockland Rd.	Molly Walton Rd.	Bike Lanes Route
Stop Thirty	Gallatin Rd.	Stop Thirty Ext.	Bike Route

North of the Vietnam Veterans Boulevard

Potential corridors within this area consist of a mixture of multi-use paths, lanes and routes. Potential bike paths within this area are limited mostly to the areas parallel to Madison Creek, Drakes Creek and Station Camp Creek. Several local roads will provide excellent opportunities for lanes and routes. Table II-4 is a summary of the potential corridors for this area.

**TABLE II-4
POTENTIAL CORRIDORS
NORTH OF VIETNAM VETERANS BOULEVARD**

PROJECT	FROM	TO	IMPROVEMENT
Drakes Creek	Long Hollow Pike	Stop Thirty Rd.	Multi-Use Path
Station Camp Dr.	Gallatin Rd.	Northern Planning Boundary	Multi-Use Path
Stop Thirty/Goshentown	Stop Thirty	Center Point Rd.	Bike Lanes
Catholic High School Connector	Mansker Creek	Caldwell	Bike Route
Center Point Rd.	Caldwell Ln./Linden Dr.	Northern Planning Boundary	Bike Route
New Shackle Island Rd.	Long Hollow Pike	Northern Planning Boundary	Bike Route
Forest Retreat Rd./Hunts Ln.	Molly Walton Dr.	Center Point Rd.	Bike Route
New Shackle Island Rd.	Vietnam Veteran's Blvd	Goshentown Rd.	Bike Route
Willis Branch Rd.	Calebs Walk	Long Hollow Pike	Bike Route
Willis Branch Rd./Center Point	Willis Branch Rd.	Center Point Rd.	Bike Route