

Road Safety Audit Review

Bicycle and Pedestrian Facilities Staff Evaluation

Project Information

County: Davidson

Project Name: Hillsboro Road (SR 106)

Project Termini: Children's Way/Capers Avenue

General Staff Comments

- High crash corridor for pedestrians.

Current Conditions

- **Crashes with ¼ mile of intersection (2003-2008) – Total: 26, Fatal: 0, Injury: 26**
 - 4 crashes between intersections of Blakemore and Pierce on Hillsboro Road
 - Bicycle: 1, Pedestrian:22, Other:3
 - Crash Report Numbers: 07849565, 07849764, 07849779, 07851861, 07852611, 08163788, 08178334, 08334461, 08334665, 08480579, 08481092, 08530123, 08843762, 09197120, 09209205, 09409881, 09596476, 09760036, 09912073, 09992726, 09993385, 09993396, 10046796, 10046948, 10049896, 10197026
- No existing bicycle facilities. Sidewalk on both sides of Hillsboro Road.
- Bicycle Level of Service: **E (Hillsboro Road)**
- Pedestrian Level of Service: **C (Hillsboro Road)**
- High Bicycle and/or Pedestrian Crash Location: Yes
- Schools: **39** schools within walking or bicycling distance of project (2-mile radius)
- Grocery Stores: **7** stores/emergency food shelters/farmers markets located within 1-mile radius
- Community (Library, Community Center, Religious Center): 10 (park, libraries, religious center)
- Congestion: No

Planned Facilities

- Planned Local Bicycle Facility: Bike lane is included in local bicycle/pedestrian plan
- Planned Local Pedestrian Facility: Sidewalk is included in local sidewalk plan. (existing)
- Planned MPO Bicycle Facility: Yes
- Planned MPO Pedestrian Facility: Yes
- Planned State Bicycle Route: (currently being updated)

Connectivity

- Project corridor connects with existing and planned bicycle and pedestrian facilities.

MPO Project Prioritization

- Pedestrian (48 max points):

Pedestrian LOS (max 12 points)	12
Ped Demand (max 12 points)	12

Connectivity (max 6 points)	0
Safety (max 6 points)	6
Congestion (max 6 points)	0
Consistent with Local Plans (max 3 points)	3
High Health Impact (max 3 points)	3
TOTAL	36

- Bicycle (48 max points):

Bicycle LOS (max 12 points)	12
Bicycle Demand (max 12 points)	12
Connectivity (max 6 points)	3
Safety (max 6 points)	6
Congestion (max 6 points)	0
Consistent with Local Plans (max 3 points)	3
High Health Impact (max 3 points)	3
TOTAL	39

Staff Analysis

This area has a high number of non-motorized users traveling to and from local universities, hospitals, primary schools and a high school. Safety for non-motorized users should be a top priority. A few hundred yards to the south was the intersection with the highest numbers of bicyclists and pedestrians counted in the September 2009 MPO bike/ped counts. (719 Pedestrians and 79 bicycles during a one-day unannounced AM/PM peak bike/ped count.)

Map

