

2. Alternative Strategies and Measures

2.1.3: Overcoming Physical BARRIERS to Walking, Bicycling and Taking Transit:

(For regulatory barriers to CSSD, please see the Chapter 3 of this report).

Barrier:

FREEWAY, RIVER, CREEK, STEEP LAND

Ways to overcome:

- Construct new bridge to accommodate all travel modes.
- Retrofit existing bridges to incorporate bicycle and pedestrian facilities.
- If a new bike-pedestrian bridge is needed, locate it to be visible and accessible from the existing street network, and close to origin and/or destination properties (with high potential use), such as parks, schools, neighborhoods, employment and commercial centers.



Florida DOT Trail; Source: www.dot.state.fl.us

Barrier:

AT GRADE RAILROAD CROSSING

Ways to overcome:

- ADA compliant crossing; well maintained.
- Gated or signalized crossing.
- Incorporate lighting.
- Grade separate the crossing.

Barrier:

HEAVY VOLUMES MOTOR TRAFFIC

Ways to overcome:

- Incorporate well designed bicycle and pedestrian facilities to attract users.
- Transportation Demand Management
- Reduce traffic volumes and speeds to balance the operational preferences of bicyclists and pedestrians.

Barrier:

WIDE STREET, INAPPROPRIATE DESIGN

Ways to overcome:

- Incorporate pedestrian crossing treatments, including curb extensions and a pedestrian refuge in the roadway median.
- Modify traffic signal phase to increase walk time.
- Consider diverting some traffic to other routes and eliminating right-turn-only lanes.
- Develop an area-wide transportation management plan.



La Vista, Dekalb County, GA

Barrier:

INTERSECTION

Ways to overcome:

- Incorporate through bike lanes and curb extensions to reduce crossing width.
- Incorporate smaller radius at corners to reduce crossing width and vehicular speeds.
- Incorporate pedestrian or bicyclist activated traffic signal. (The signal does not have to be activated by the pedestrian, it could automatically give the pedestrian a walk signal with the green phase of the traffic signal.)



Intersection Design; Source: www.fhwa.gov