



Pedestrian Audit: 1/2 Mile Segment Analysis

Source: Google Map





Legend:

-  Roadway Sidewalk
-  >5' Multi-Purposed Sidewalk (Concrete or Asphalt)
-  >5' Park Conc. Sidewalk
-  >5' Wood Boardwalk
-  Mulched Path



Source: Google Map

Minnehaha Park

Location: 1011 East Horatio Avenue
 Maitland, Florida
 7 Acres

Pedestrian Audit:

1/2 Mile Segment Analysis

Date: July 6, 2012

By: Jose Carlos Ayala, CNU-A





1. Pedestrian Facilities (High): presence of a suitable walking surface, such as a sidewalk or path.

1. No permanent facilities; pedestrians walk in roadway or on dirt path.
- 2.
- 3.
4. There is continuous sidewalk on both sides of the road for most of the segment.
5. **Continuous sidewalks on both sides of road.**

2. Pedestrian Conflicts (High): potential for conflict with motor vehicle traffic due to driveway and load-ing dock crossings, speed and volume of traffic, large intersections, low pedestrian visibility.

1. High conflict potential.
- 2.
- 3.
4. **Single-family neighborhoods cut sidewalks. Traffic volume is high during rush hour and moderate during off-peak times and weekends. Within ½ mile there is only one large intersection, US Highway 17-19 (South Orlando Avenue) and East Horatio Avenue. Pedestrians are visible.**
5. There are some driveways that cut the sidewalk, but these are all to residential, single-family homes. Traffic volume is moderate during rush hour and low during off-peak times and weekends. There is only one large intersection. Pedestrians are visible.

3. Crosswalks (High): presence and visibility of crosswalks on roads intersecting the segment. Traffic signals meet pedestrian needs with separate 'walk' lights that provide sufficient crossing time.

1. Crosswalks not present despite major intersections.
- 2.
- 3.
4. Intersections are at lightly traveled roads.
5. **No intersections or crosswalks clearly marked on East Horatio Avenue.**

4. Maintenance (Medium): cracking, buckling, over-grown vegetation, standing water, etc. on or near walking path. Does not include temporary deficiencies likely to soon be resolved (e.g. tall grass).

1. Major or frequent problems.
- 2.

- 3.
- 4.

5. **The sidewalks are in good condition for the full length of this segment.**

5. Buffer (Medium): space-separating path from adjacent roadway.

1. No buffer from roadway.
- 2.
3. **There is some green buffer "utility strip" along the length of this segment, but it varies in width and is less than 4 feet for about half of the walk.**
4. > 4 feet from roadway.
5. Not adjacent to roadway.

6. Aesthetics (Medium): includes proximity of construction zones, fences, buildings, noise pollution, quality of landscaping, and pedestrian-oriented features, such as benches and water fountains.

1. Uninviting.
- 2.
3. **Sidewalk designed following Florida Department of Transportation (FDOT) Roadway Design Standards. This type of sidewalk serves its purpose of satisfying ADA standards.**
- 4.
5. Most of this walk is quite enjoyable. It starts in the midst of an older residential neighborhood with mature landscaping and restored older homes.

7. Shade (Medium): amount of shade, accounting for different times of day.

1. No shade.
2. **Some shade. Canopy location outside of Horatio Avenue right of way.**
- 3.
4. Most of the segment is well shaded.

Legend notes:

Underline Bold Red text represents chosen analysis answer for Minnehaha

Park's total score.

Sum of High importance

(1-3): $14 \times 4 = 56$

Sum of Medium importance

(4-7): $13 \times 2 = 26$

Total Score: 82





Observations

1. What is the most dangerous location along this segment?

East Horatio Avenue dangerous locations are along the thoroughfare. While the exiting concrete sidewalk provides connectivity along the corridor, lack of mid-block crossing, pedestrian median safeguard, or signalized pedestrian crossings do not exist along this route. Therefore, a pedestrian trying to cross this 35 MPH collector might be hit or kill by an automobile.

2. What is the most unpleasant and pleasant element of this segment?

The most unpleasant pedestrian experience is current roadway design speed and automobile proximity to sidewalks. The pleasant element of East Horatio Avenue is the well keep visual environment.

3. What improvements would make this segment more appropriate for pedestrian use?

The following are appropriate improvements to stimulate pedestrian activity:

1. Decrease East Horatio Avenue to 25 MPH.
2. Traffic lanes shall be reduced to 10 feet wide.
3. Adding signalized mid-block crossing or pavement marking with pedestrian crossing signs every 500 feet of a super block.
4. Every major side street and E. Horatio Avenue intersection shall have high market marked cross walks.
5. On mid-blocks or intersections pedestrian crossings medians shall include the latest pedestrian safety improvements adopted by the Florida Department of Transportation (e.g. recently added Highway 441's median crossings).



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Source: Google Search