

Future of Transportation Studies Phase 1 Checklist

The Fairfax County Department of Transportation, in coordination with the Virginia Department of Transportation and transportation consultants from Industry, has created a checklist of new elements of study to be added when preparing transportation studies, formally referred to as Operational Analyses (OA), effective June 16, 2022. This checklist will act as Phase 1 for the revamp of County led OAs to emphasize pedestrian, bicycle, and transit modes, as well as to identify multimodal facilities for improvement during the development process. When preparing an OA, transportation consultants will complete the checklist and include these elements in the submitted study. The scope of the *italicized* items may be modified based on further discussion and on a case-by-case basis depending on the location, use, and magnitude of a proposal. These new guidelines will be monitored and refined on an iterative basis as needed, and we will continue to work with others regarding implementation of Phase 2, which includes additional measures of effectiveness for multimodal facilities.

Future of Transportation Studies Phase 1 Checklist

Background Information Section

- Photographs within and along site perimeter
- Description of site visit observations
- Quantitative elements
 - Sidewalk width, shared use path width, bicycle lane width along site perimeter
 - Capital Bikeshare inventory (Half mile radius)
 - Bus stop inventory (Half mile radius)

Pedestrian Analysis

- Peak hour pedestrian counts at study intersections
- Pedestrian infrastructure graphic at study intersections
 - Curb ramps
 - Pedestrian signal heads and/or buttons
 - Striped crossings
- Pedestrian Gap Analysis (*Quarter mile radius*)
 - Please refer to the attached graphic as an example
- Pedestrian Pathway Exhibit
 - Please refer to the attached graphic as an example
- Photographs of substandard and missing facilities

Bicycle Analysis

- Peak hour bicycle counts at study intersections
- Bicycle Gap Analysis (*Half mile radius*)
- Photographs of substandard and missing facilities

Transit Analysis

- Bus Stop Assessment (*Half mile radius*)
 - Available infrastructure at bus stops
 - Proximity of bus stops to proposed site
- Photographs of substandard facilities
- Ridership info
 - Reach out to FCDOT Transit Services Division
- Route frequency and headways

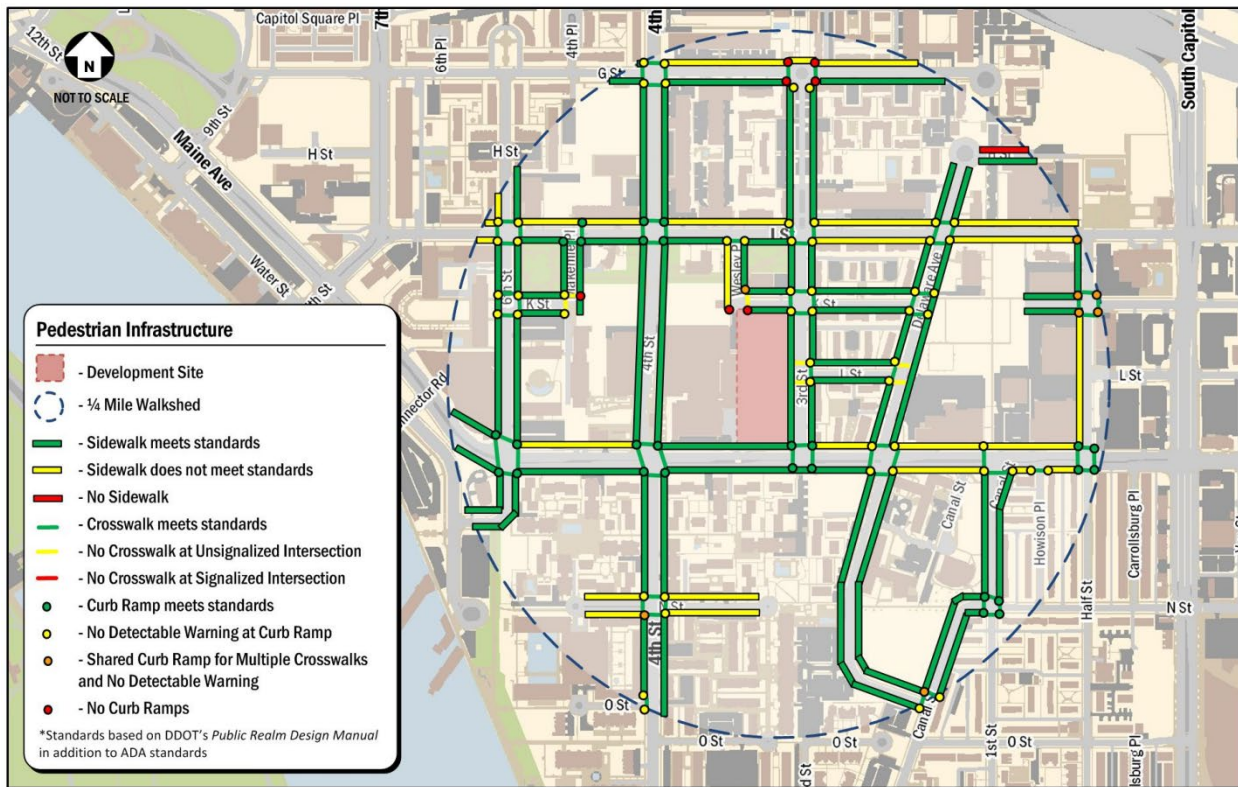
Vehicular Analysis

- Preliminary Roundabout Analysis*

Safety Analysis

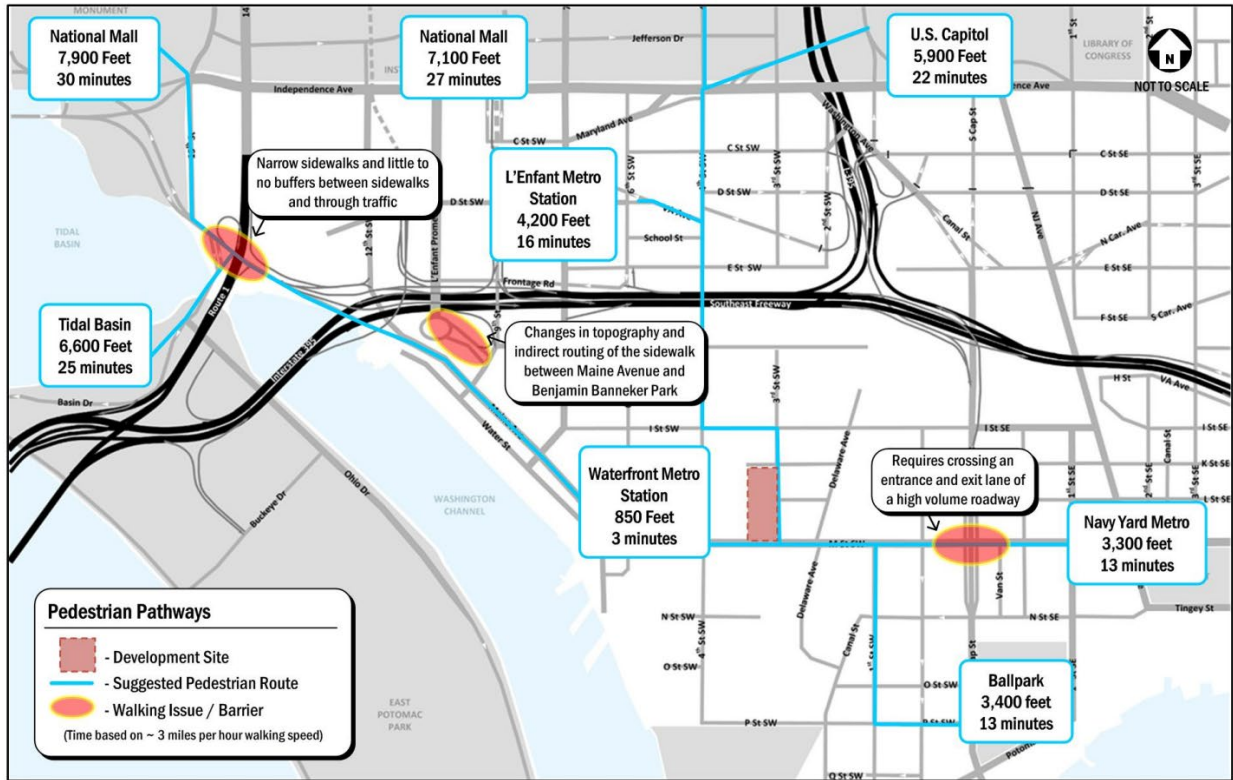
- Qualitative assessment of study intersections

Exhibit 1: Sample Pedestrian Gap Analysis



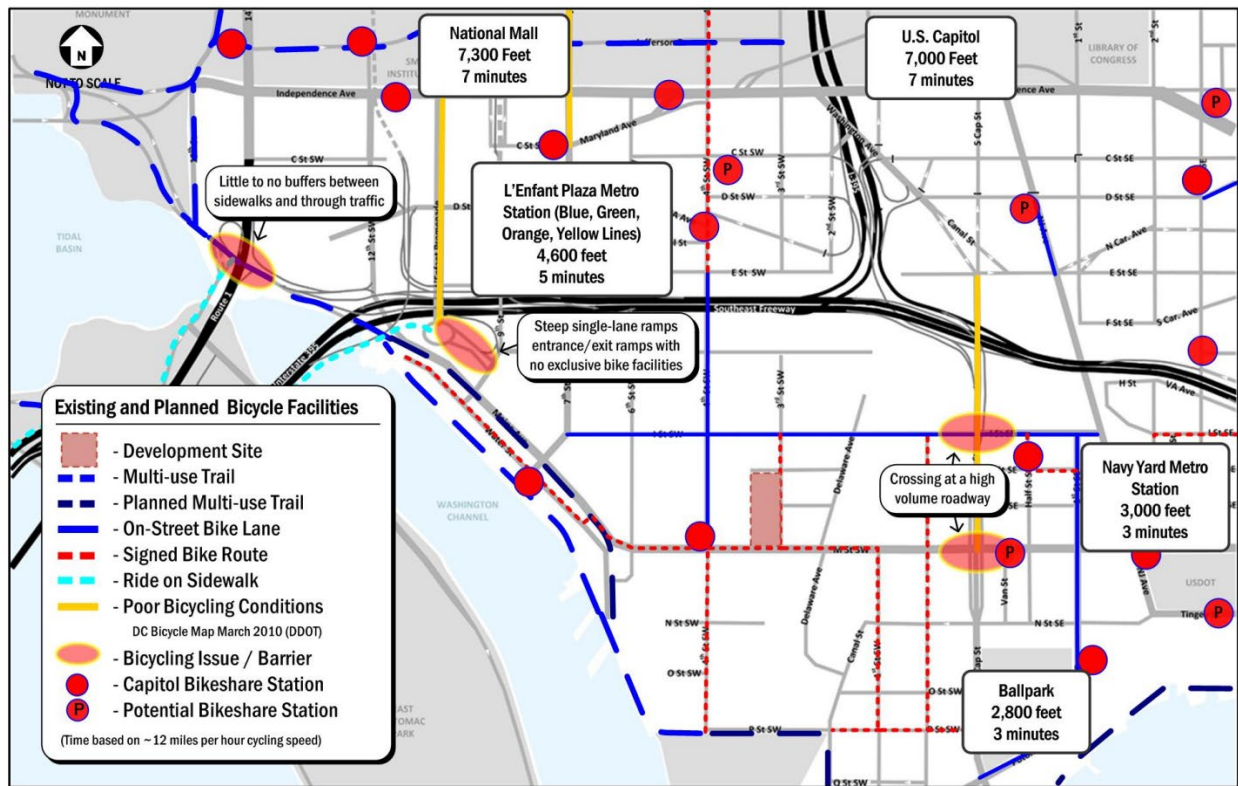
Source: Grove/Slade "Transportation Impact Study, M Street Town Center, Washington, D.C., April 16, 2013

Exhibit 2: Sample Pedestrian Pathways



Source: Gorove/Slade "Transportation Impact Study, M Street Town Center, Washington, D.C., April 16, 2013

Exhibit 3: Sample Bicycle Gap Analysis



Source: Grove/Slade "Transportation Impact Study, M Street Town Center, Washington, D.C., April 16, 2013