

Comprehensive Transportation Analysis 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 key elements of study to be added when preparing Comprehensive Transportation Analyses associated with zoning actions (CTA-Z), formally referred to as Operational Analyses (OA), effective June 16, 2022. The CTA-Z is a revamp of County led studies to emphasize pedestrian, bicycle, and transit modes, as well as to identify multimodal facilities for improvement during the development process. Please reference the CTA User Manual in the related documents for additional guidance. When preparing a CTA, 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 guidelines will be monitored and refined on an iterative basis as needed.

Comprehensive Transportation Analysis (Existing Conditions) Checklist

Background Information Section

- Photographs within and along site perimeter
 - Include substandard and missing multimodal facilities
- Description of site visit observations
- Roadway lane width(s) from center line along site perimeter

Pedestrian Assessment

- Sidewalk or shared use path width along site perimeter
- Peak hour pedestrian counts at study intersections
- Pedestrian infrastructure graphic (*Quarter mile radius*)
 - Sidewalks
 - Curb ramps
 - Crosswalks
- Pedestrian Level of Comfort (*Quarter mile radius*)
- Pedestrian Gap Analysis and Pathway Exhibit (*Quarter mile radius*)
 - Please refer to the attached graphic as an example

Bicycle Assessment

- Bicycle lane or shared use path width along site perimeter
- Peak hour bicycle counts at study intersections
- Capital Bikeshare station location
- Bicycle infrastructure graphic and Bicycle Gap Analysis (*Half mile radius*)
 - Please refer to the attached graphic as an example
- Bicycle Level of Traffic Stress (*Half mile radius*)

Transit Assessment

- Bus Stop Inventory (*Half mile radius*)
 - Table of available infrastructure at bus stops
- Transit Access (*Half mile and Quarter mile radius*)
 - Map of pedestrian and bicycle connections to bus stops and metro
- Route frequency, headways, and ridership info (Reach out to FCDOT Transit Services Division)

Safety Assessment

- Qualitative assessment of any factors at study intersections that may pose a risk to pedestrian, bicycle, and/or vehicular safety including but not limited to:
 - Slip lanes/Channelized right-turn lanes
 - Sight distance concerns including grade issues for vehicle, pedestrian, and/or bicyclist visibility
 - Curb radii that may encourage high speeds for vehicles and/or cause challenges for turning vehicles

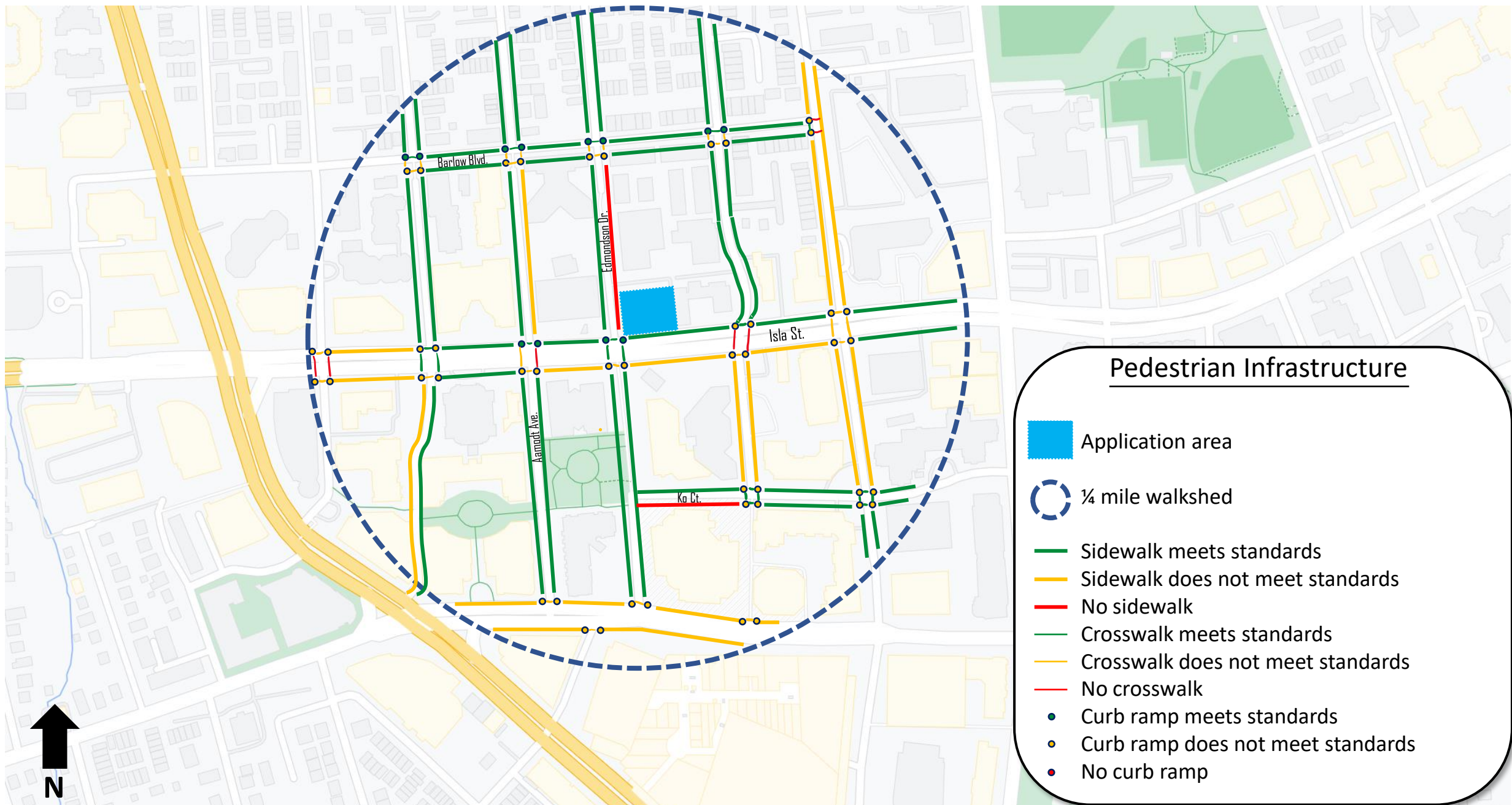


Exhibit 1: Sample Pedestrian Infrastructure Analysis

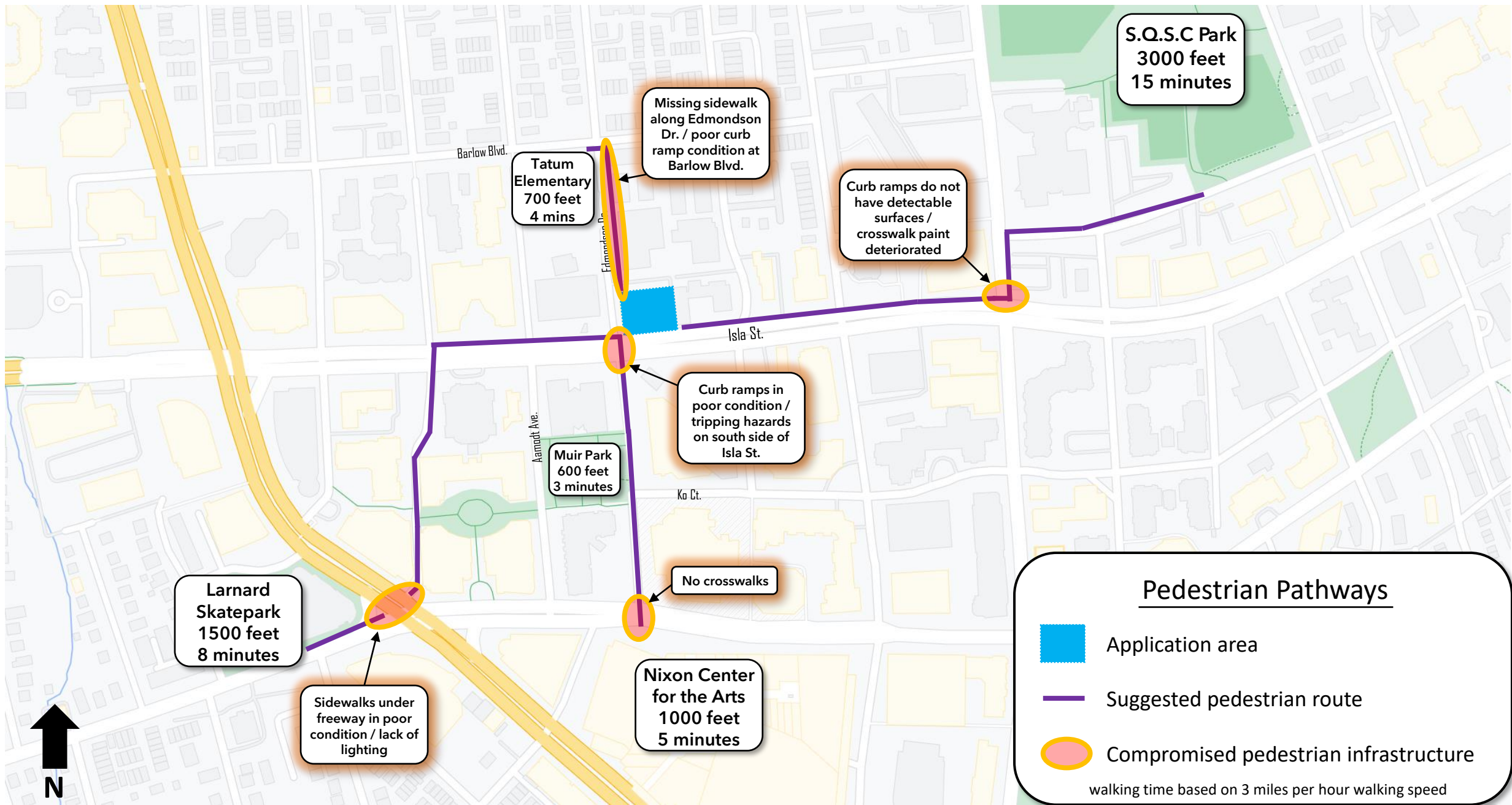


Exhibit 2: Sample Pedestrian Pathways Analysis

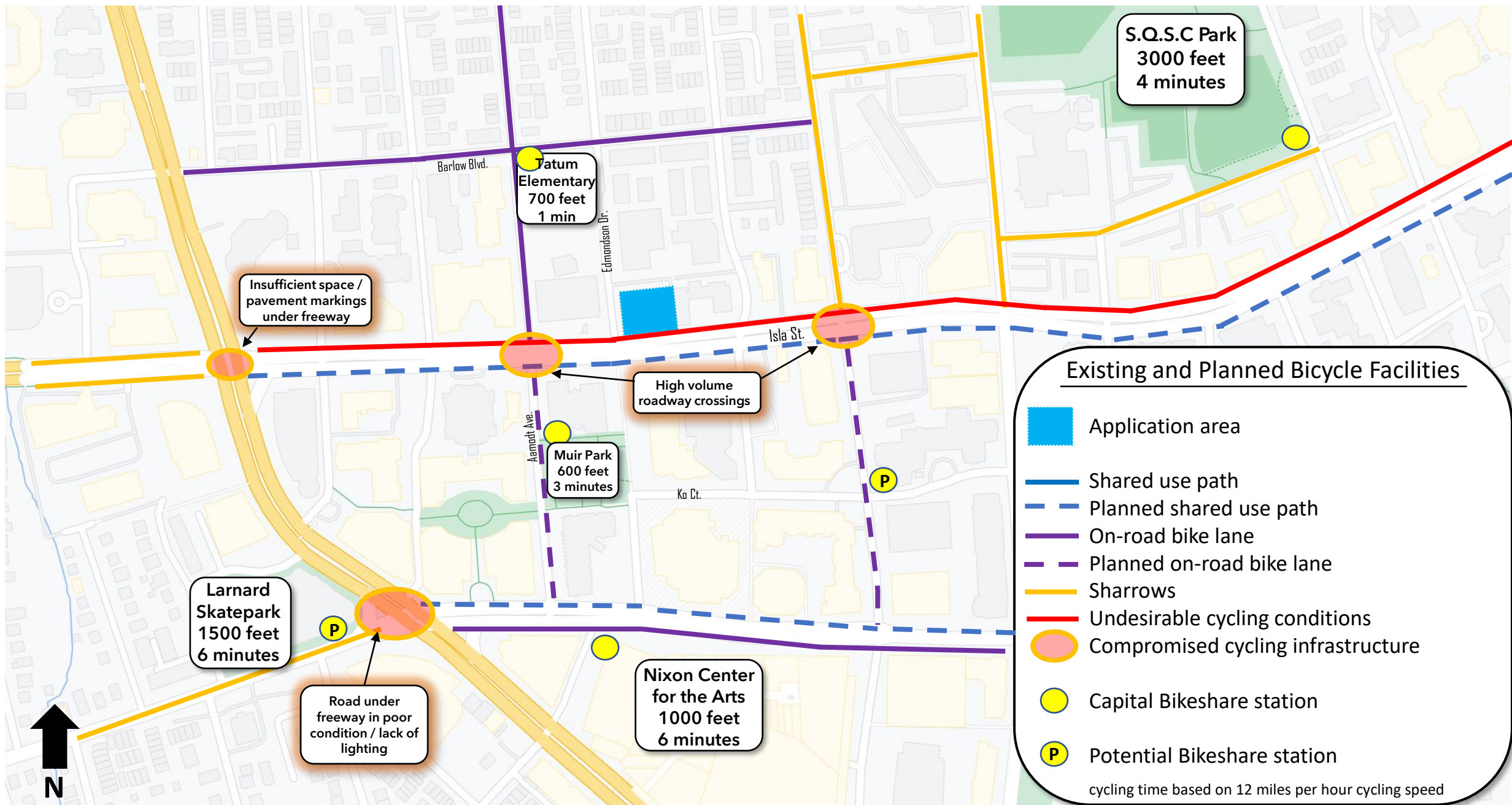


Exhibit 3: Sample Bicycle Infrastructure Analysis