

King Street- Bradlee Safety & Mobility Enhancements

February 15, 2024 Open House

City of Alexandria

Department of Transportation & Environmental Services



AGENDA



Project Location

Project Goals

Project Timeline

Engagement Summary

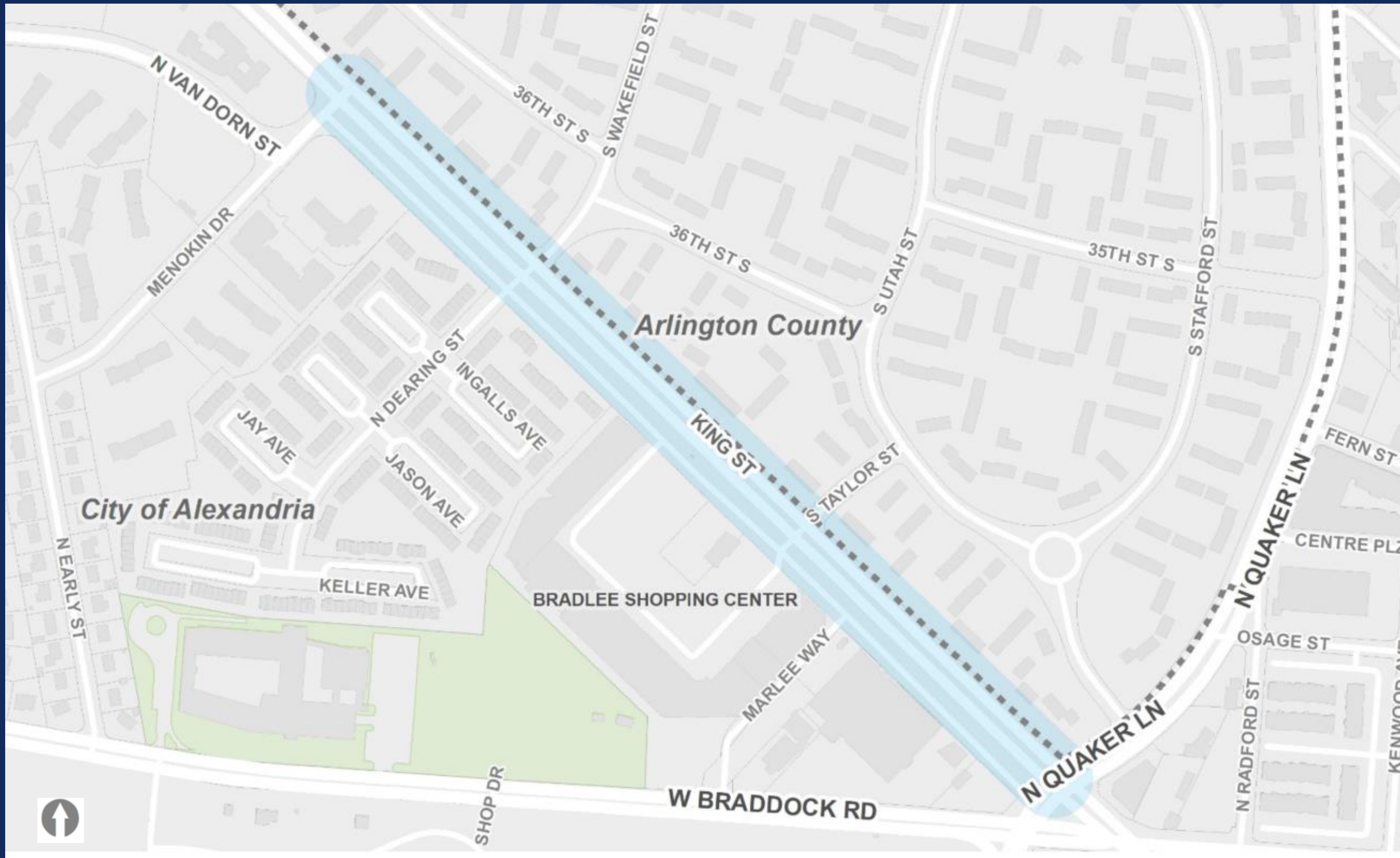
Existing Conditions

Alternative Concepts

Toolbox of Treatments

Next Steps

Project Location



Legend / Guía

- County Boundary / Límite del Condado
- Study Corridor / Corredor del Estudio
- Open Space / Espacio Abierto

Project Goals

Improve mobility, safety, and access for all roadway users of all ages, abilities and modes of travel.

Install safer pedestrian access and bicycle facilities to connect to surrounding network.

Maintain or enhance existing transit facilities.

Improve existing stormwater treatment.



Project Timeline

Project Initiation

- Data Gathering
- Staff Analysis

Issue Identification

- Phase 1 community engagement
- Design Team Hired
- Data Analysis

Concept Development

- Initial Concept Development
- Phase 2 community engagement
- Data Analysis

Concept Refinement

- Continued Analysis
- Phase 3 community engagement
- Concept Selection

Summer 2023

Fall 2023

Winter 2024

Spring 2024

We Are
HERE



Phase 1 Engagement

Feedback Form

Over 800 responses.

Bradlee Center

Over 200 interactions at
pop-up events.

Online Information

Social Media posts, eNews
updates, and website.

Community Engagement

Community Event

Fairlington Presbyterian's
Fall Festival.

Stakeholder Outreach

One-on-One phone calls with
key stakeholders.

Bus Stop Chats

Discussions at
various bus stops.

Who Participated?

800+

The feedback form saw over 800 responses.

How do respondents visit the study area?



77%



12%



5%



4%

Other

2%

78%

Of the feedback form respondents visit multiple times a week.

Visiting Shops.

Commuting from home/school/work.

Passing Through.

What We Heard: Notable Topics

Differing opinions on the **access road** were expressed, with some residents opposing its removal while others suggesting its elimination.

Pedestrian behavior; people not crossing at crosswalks.

Congestion at the Bradlee Shopping Center.

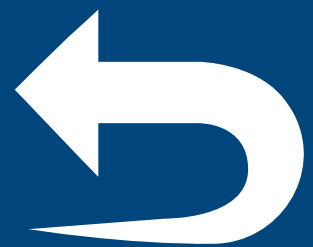
Panhandling, loitering, and the unhoused.

Safety and behavior of students at the Bradlee Shopping Center.

Some comments about **King Street**; that it works great to get cars through the area quickly, while other respondents felt vehicles moved too fast and the road is difficult to cross.

Common Experiences

Across all respondents, the most common safety challenges in the study area included:



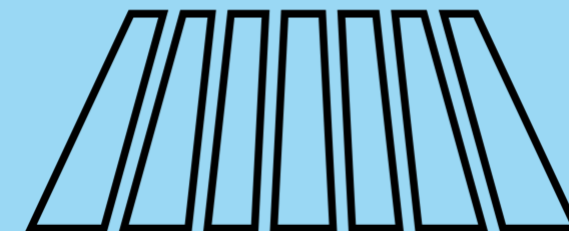
Unsafe turns by
drivers



Speeding



Confusing
interactions
between users at
intersections

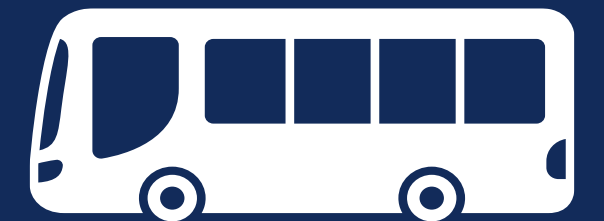


Long crossing
distances

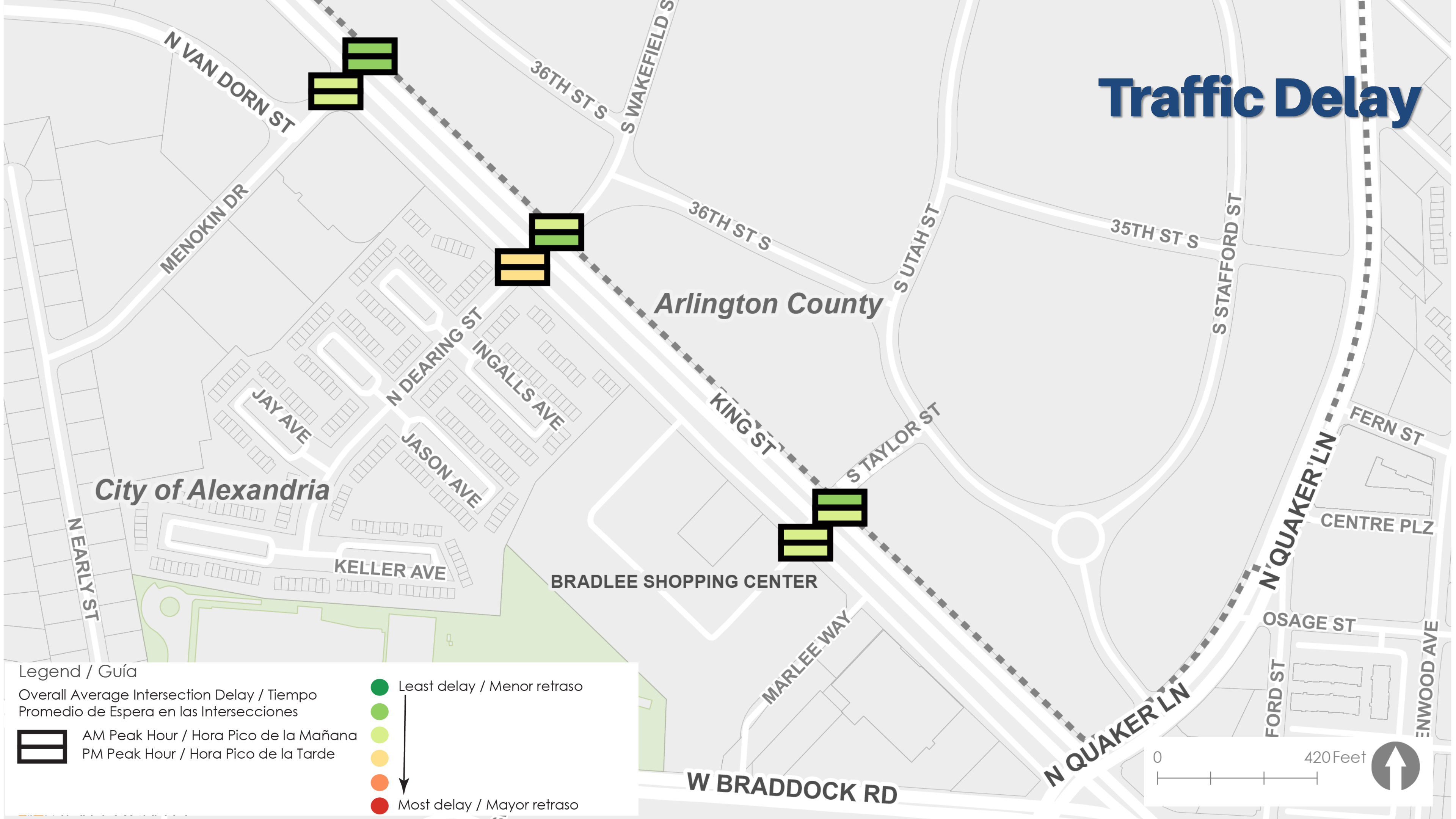


People don't
follow signs and
traffic signals

Existing Conditions



Traffic Delay



Legend / Guía

Overall Average Intersection Delay / Tiempo Promedio de Espera en las Intersecciones

AM Peak Hour / Hora Pico de la Mañana

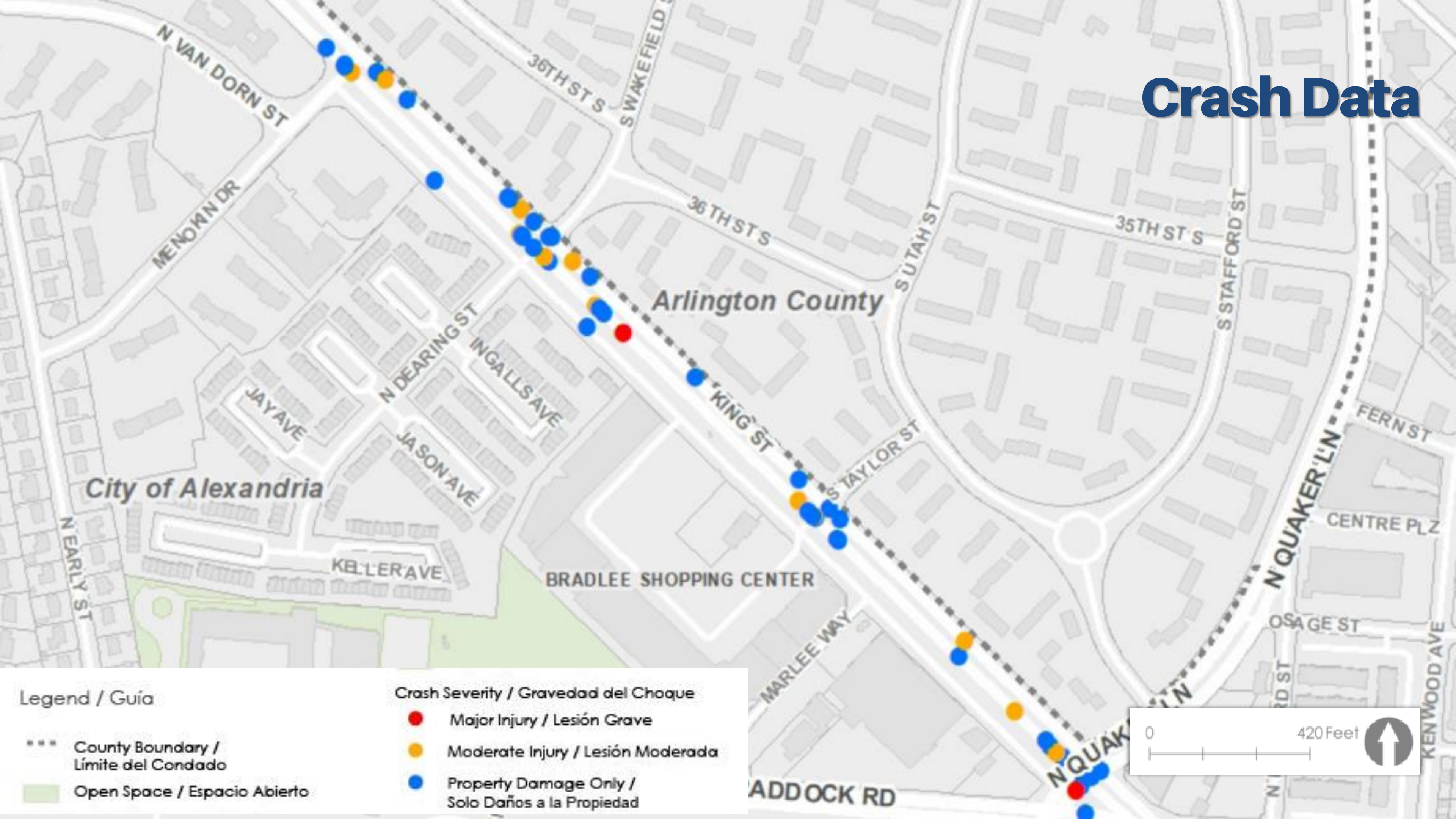
PM Peak Hour / Hora Pico de la Tarde

Least delay / Menor retraso

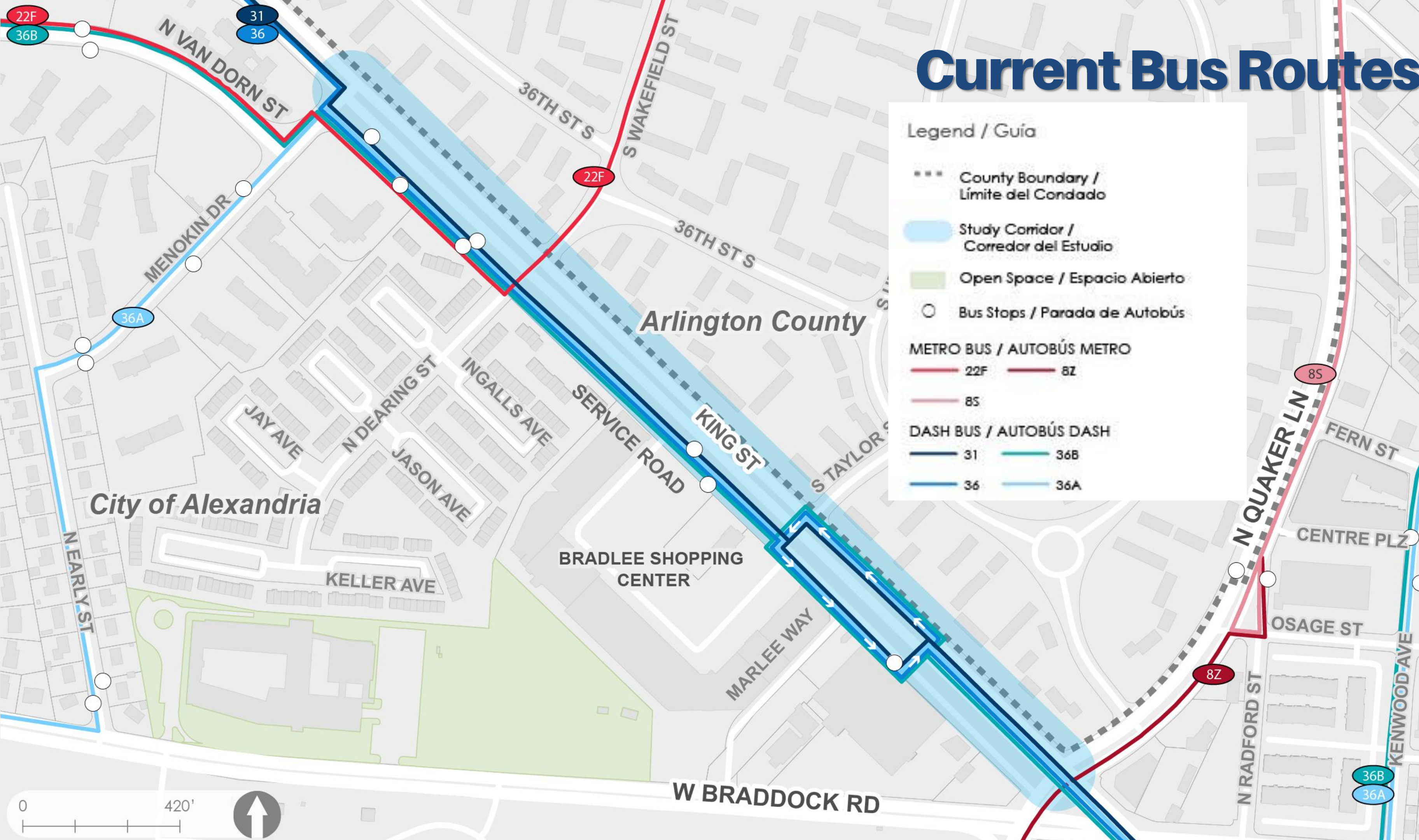
Most delay / Mayor retraso



Crash Data



Current Bus Routes



Existing Bike Facilities

Arlington County

City of Alexandria

Legend / Guía

--- County Boundary /
Límite del Condado

Study Corridor /
Corredor del Estudio

Open Space / Espacio Abierto

Bike Lane / Carril para Bicicletas

Sharrows / Vía Compartida con
Bicicletas

Existing Sidewalks and Crosswalks /
Aceras y Cruces Peatonales Existentes

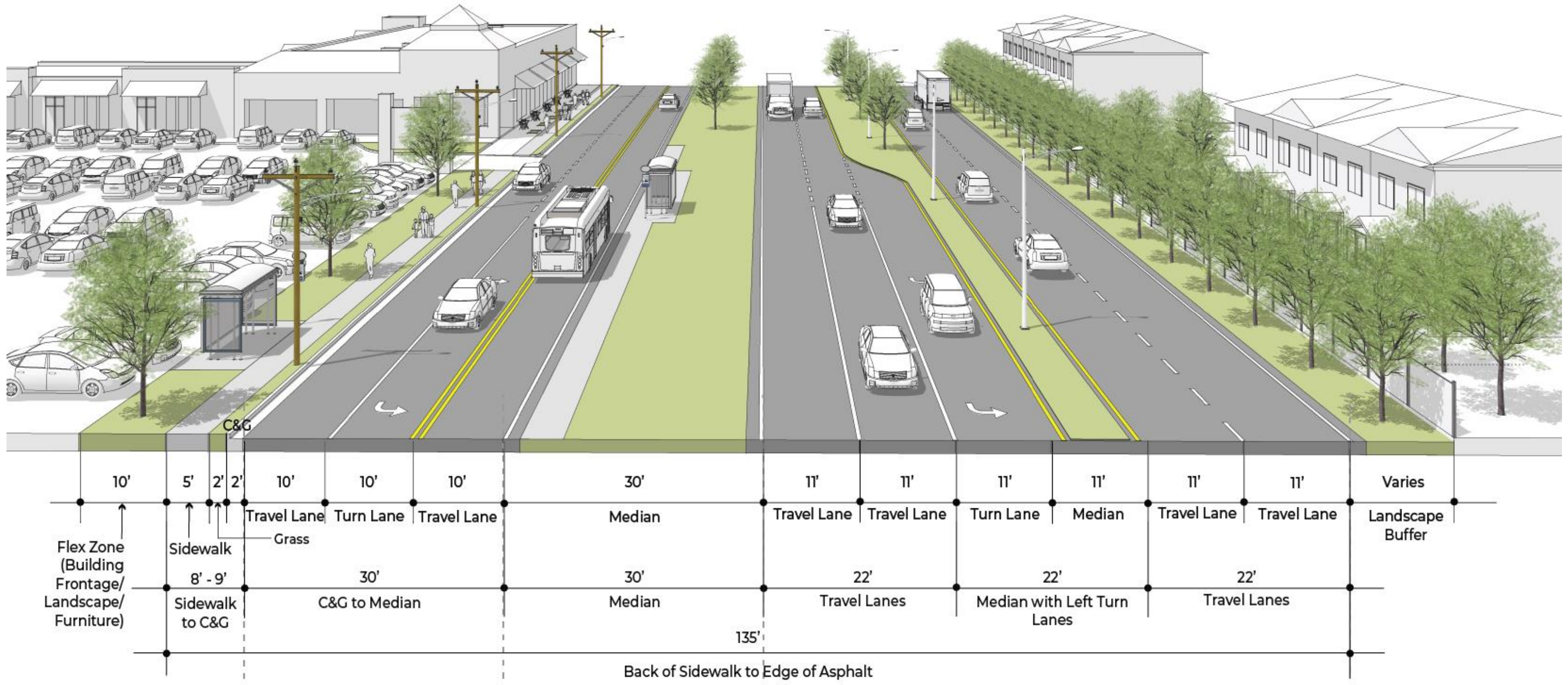
Capital Bikeshare Station / Estación
de Capital Bikeshare



Existing Typical Cross-Section

Bradlee Shopping Center

Fairlington



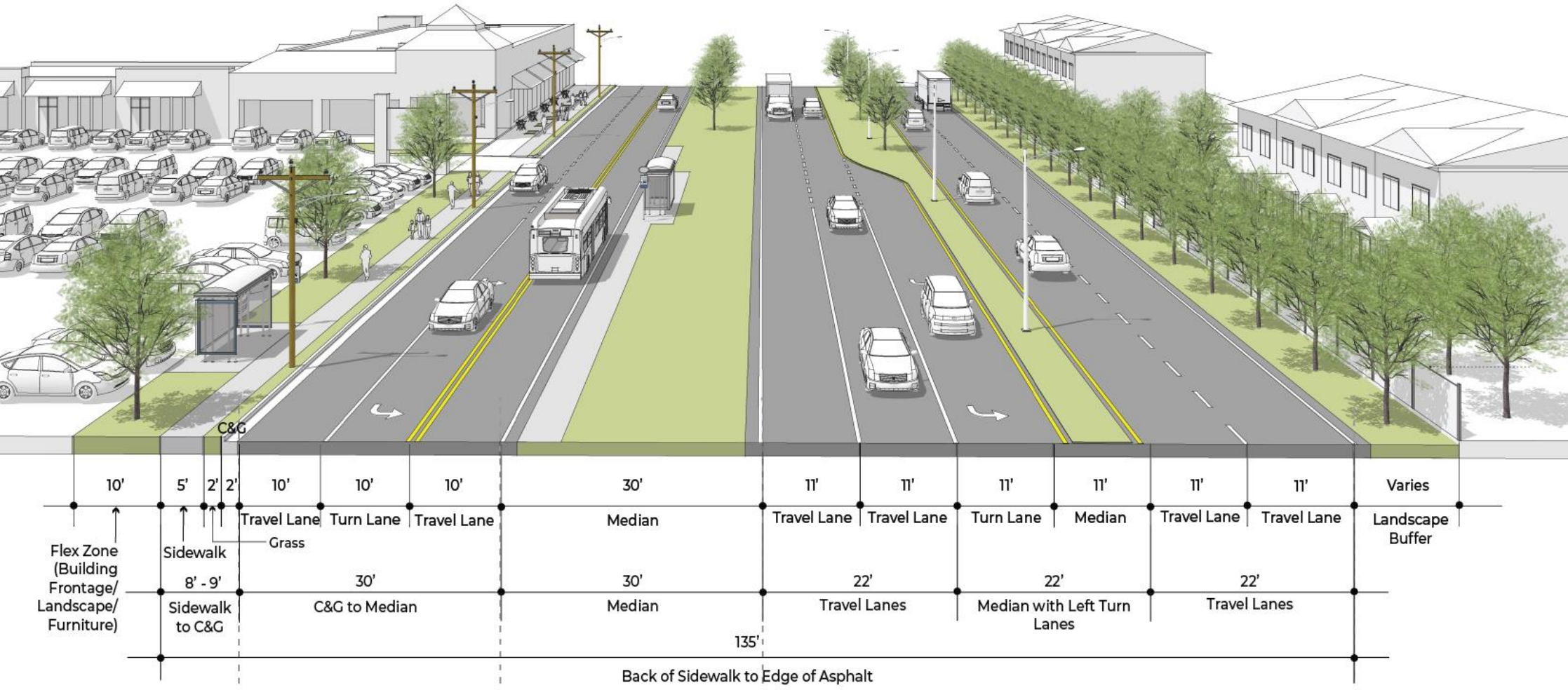
Existing Typical Plan View



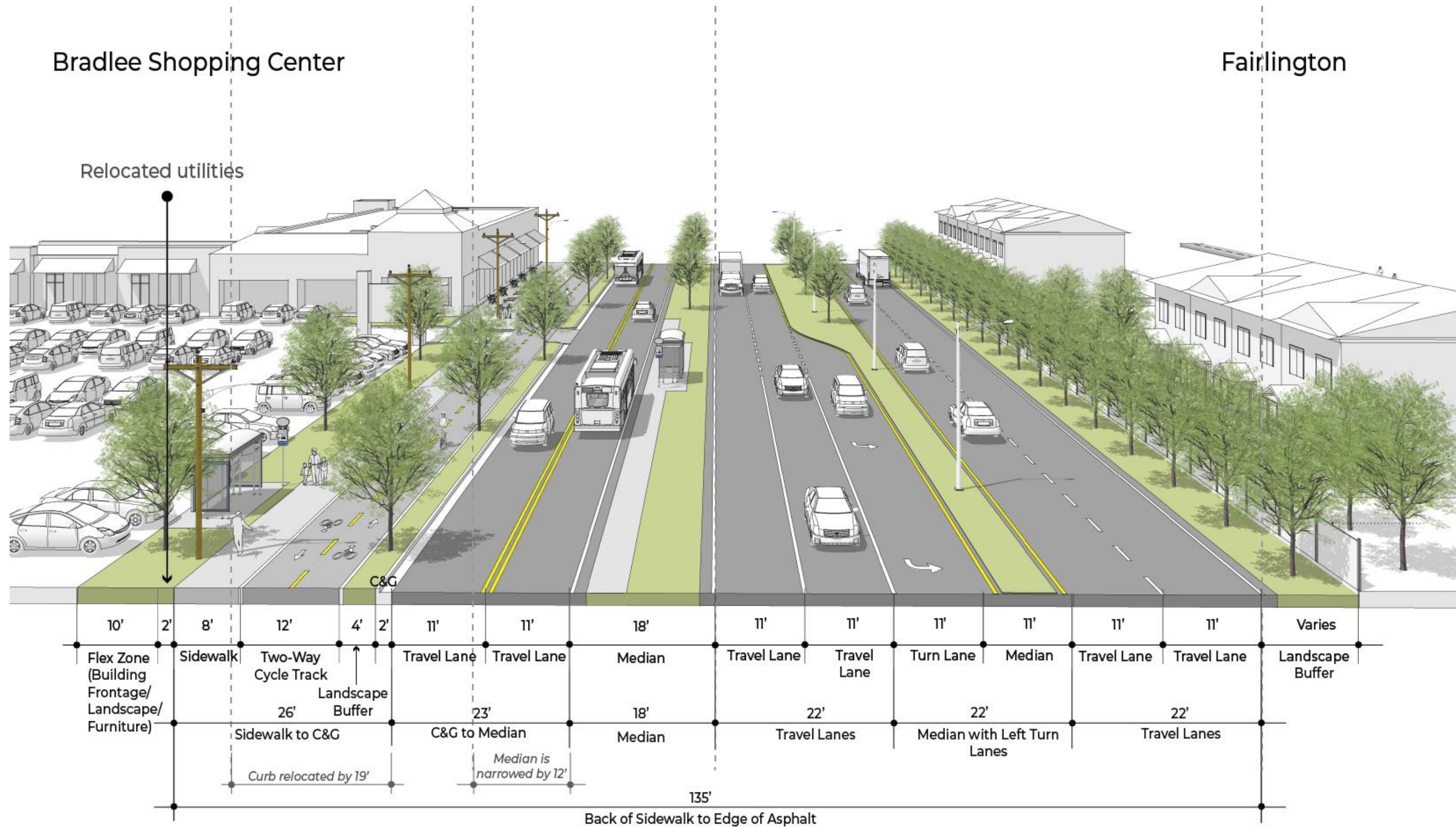
Alternative Concepts

Bradlee Shopping Center

Fairlington



Alternative 1: Two-Way Traffic with Transit



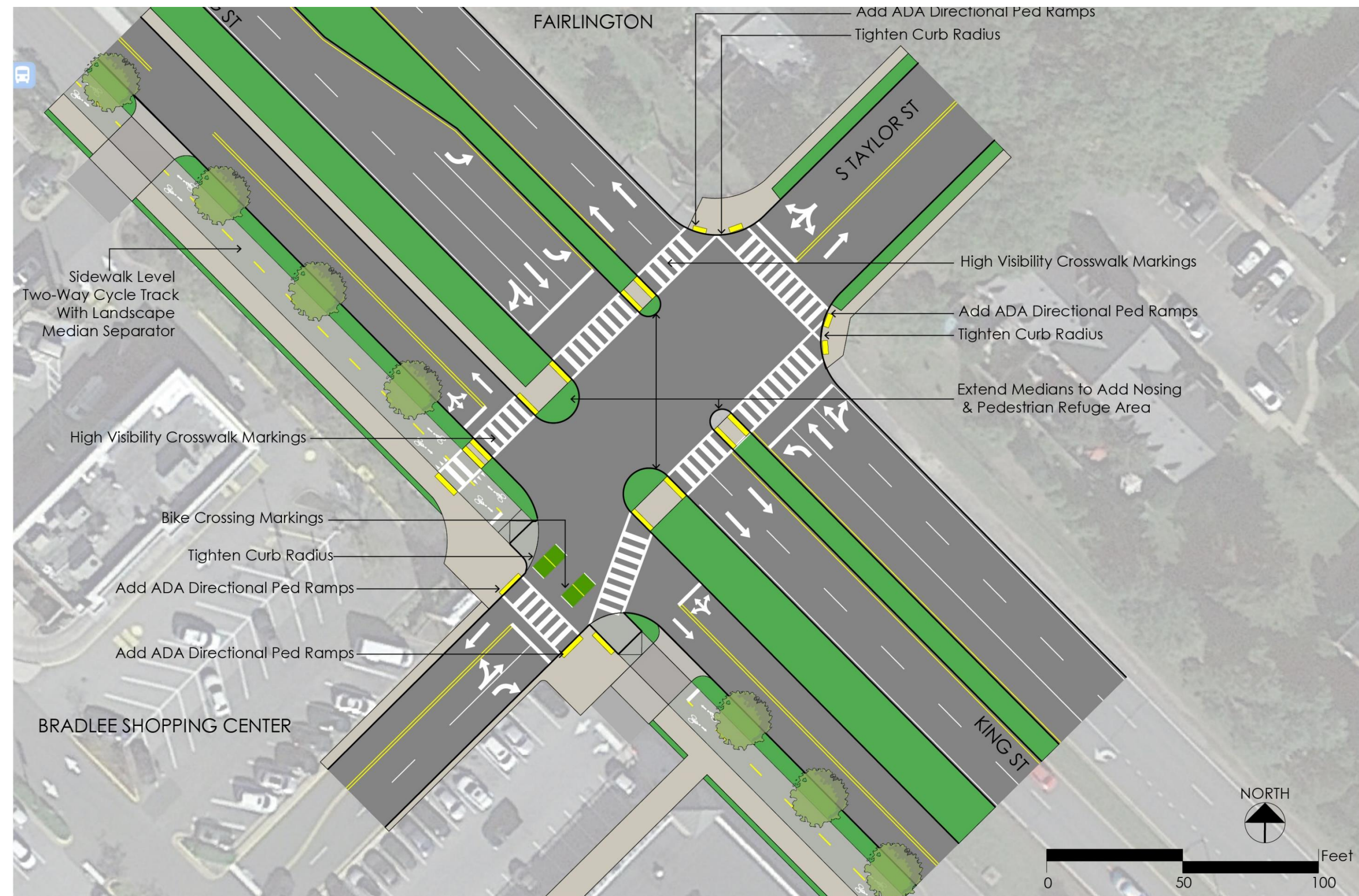
Alternative 1: Two-Way Traffic with Transit

Benefits

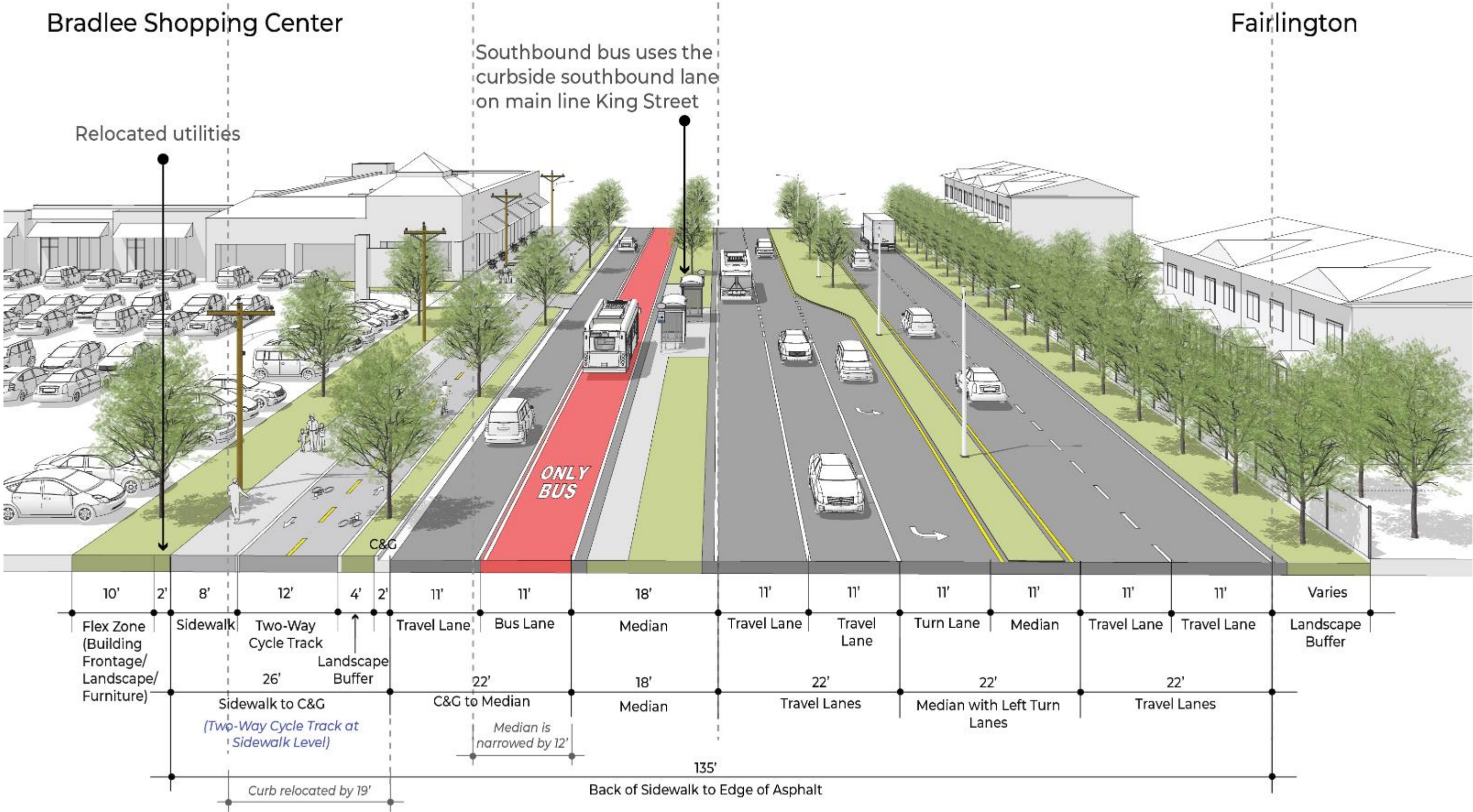
- Wider sidewalks
- Separated & protected space for people biking/scooting
- Less conflict for cyclists at driveways
- Little to no impact on King Street
- Additional trees

Limitations

- Fewer opportunities for improvements to transit operations
- Potential additional stormwater treatment



Alternative 2: One-Way Traffic & Bus Lane



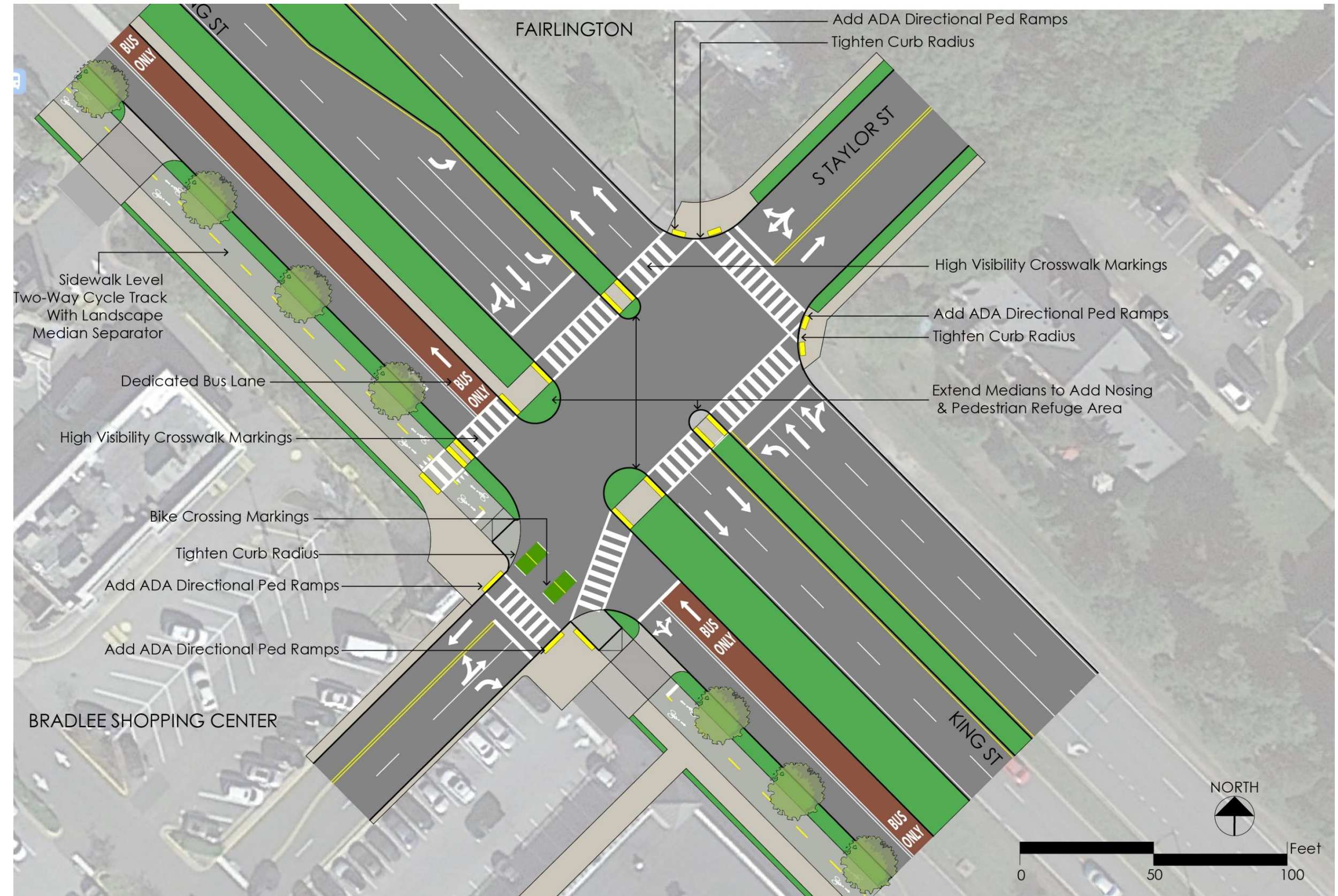
Alternative 2: One-Way Traffic & Bus Lane

Benefits

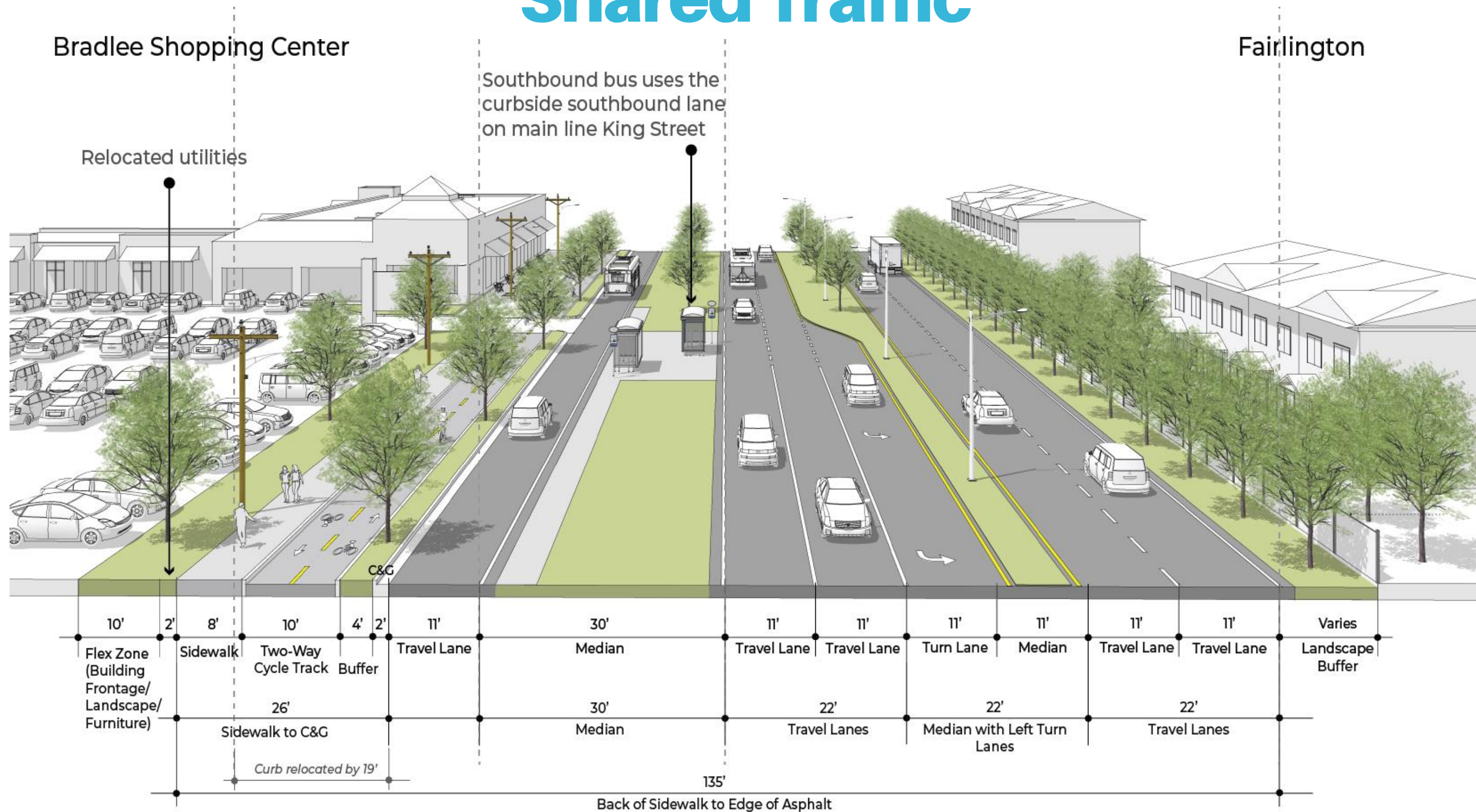
- One way traffic will reduce potential conflicts for all users
- Dedicated transit lane
- Consolidated transit stops
- Wider sidewalks
- Separated & protected space for people walking/biking/scooting
- Minor impact to King Street

Limitations

- Access changes for eastbound cars
- Eastbound bus traffic will interact with King Street traffic
- Additional stormwater treatment may be required



Alternative 3: One-Way Shared Traffic



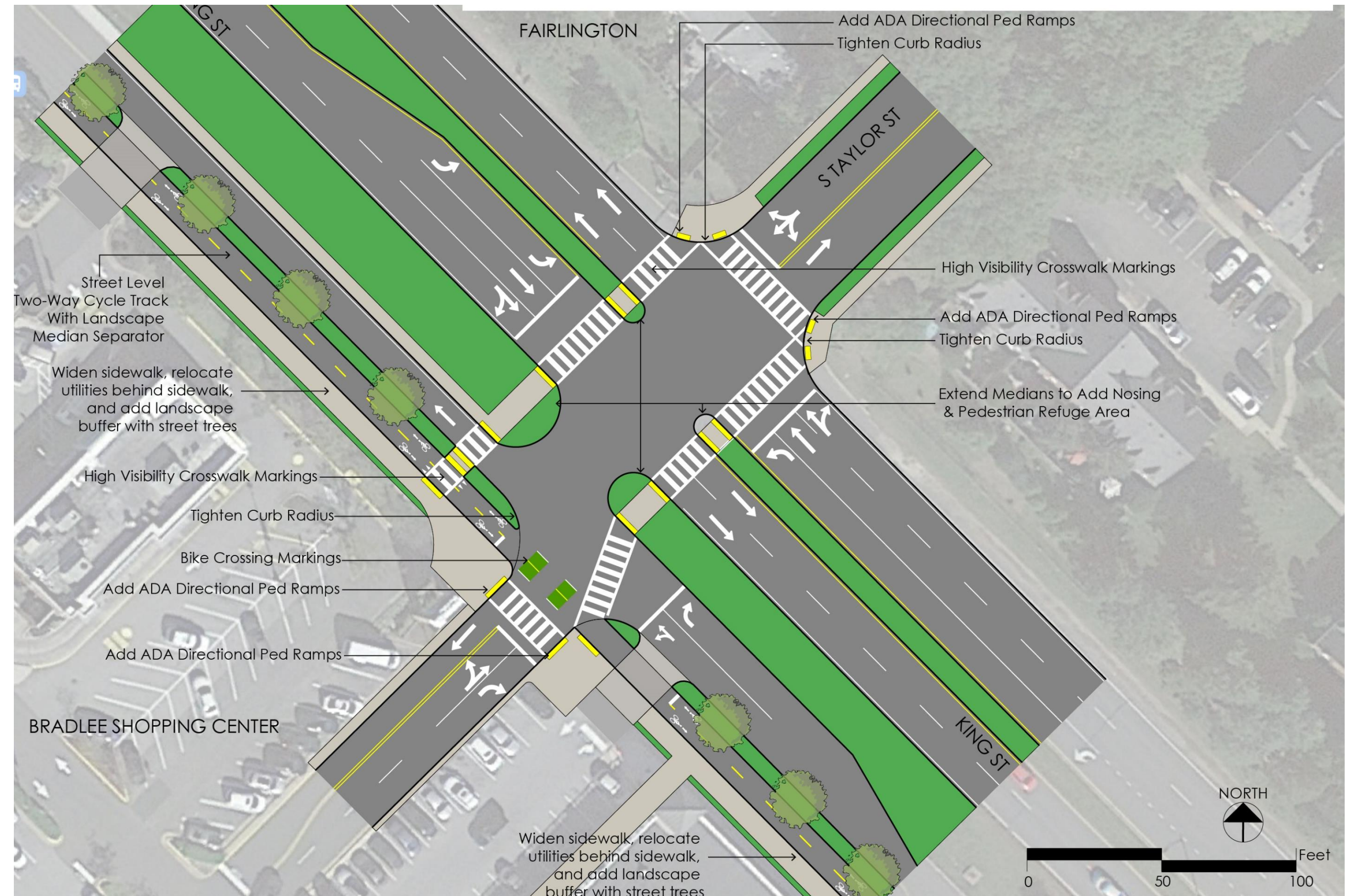
Alternative 3: One-Way Shared Traffic

Benefits

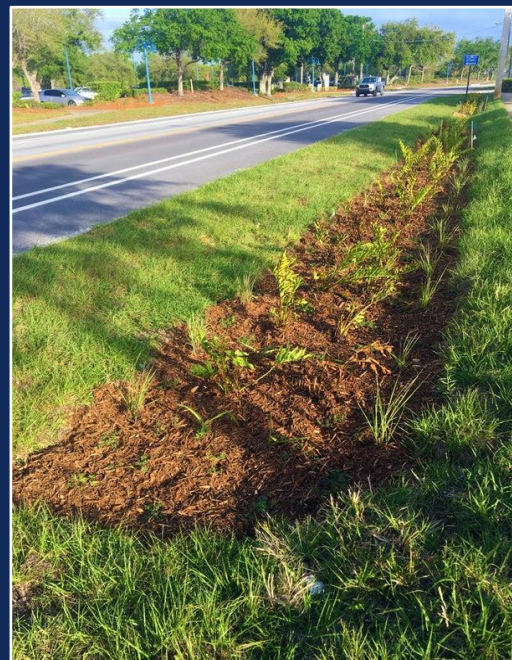
- Shorter crossing distances
- One way traffic will reduce potential conflicts
- Wider sidewalks and protected bicycle lanes
- Consolidated transit stops
- More opportunities for stormwater and landscaping

Limitations

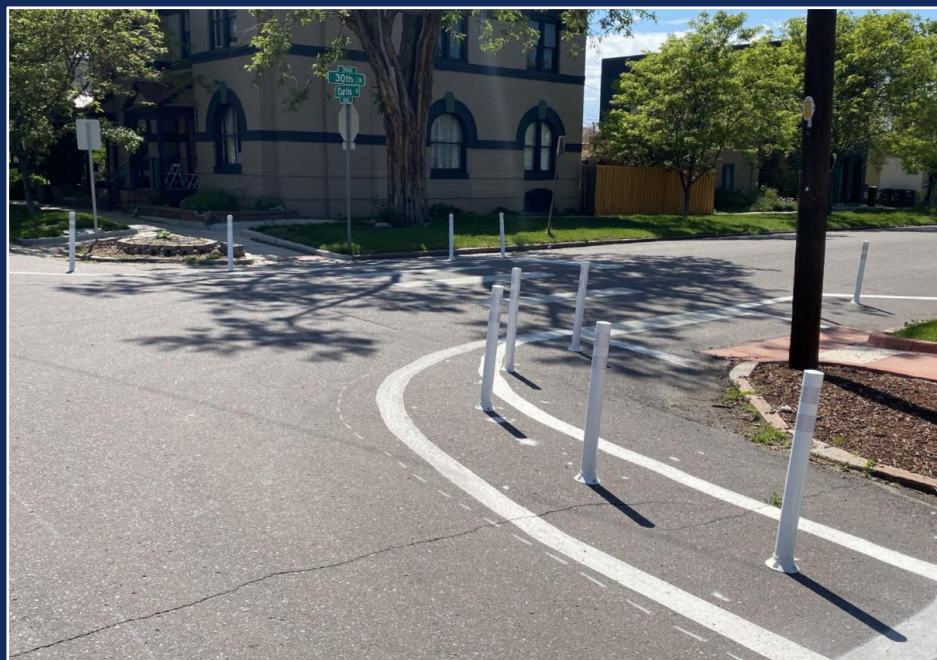
- Access changes for eastbound cars
- Eastbound bus traffic will interact with King Street traffic
- Reduced opportunities for improved bus operations



Examples of Treatments



Bioswales



Curb Radii Tightening



Signal Modifications



Bike Crosswalks



**High Visibility
Crosswalk**



Slip Lane Reconfiguration



**Pedestrian Refuge
Islands**



Pedestrian Lighting

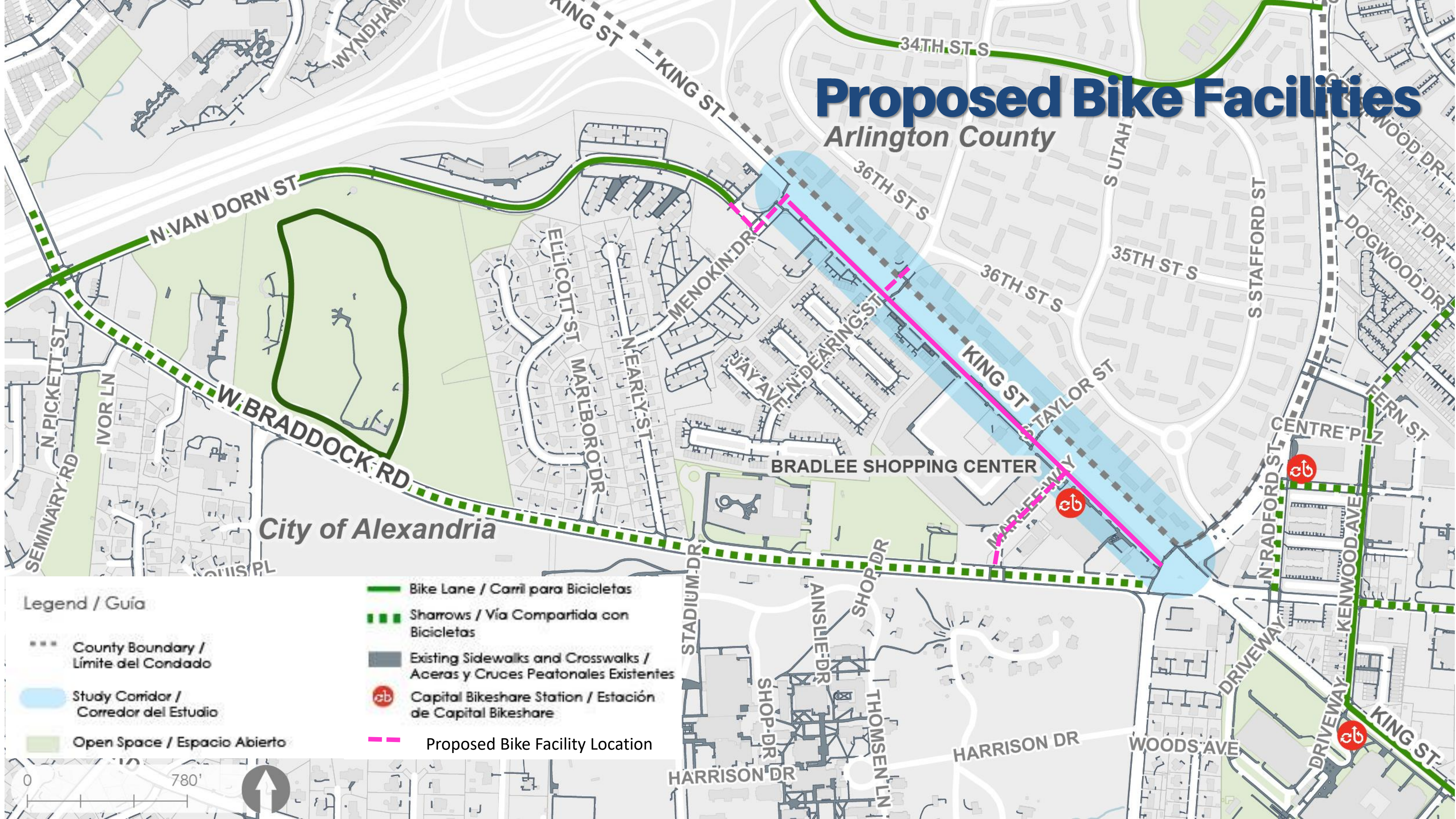
Toolbox of Treatments

Legend / Guía

-  Bioswales / Canal de Drenaje
-  High Visibility Crosswalk / Cruce Peatonal de Alta Visibilidad
-  Slip Lane Removal / Eliminación de Carril de Desaceleración
-  Pedestrian Refuge / Refugio en los Cruces Peatonales
-  Curb Radii Tightening / Esquinas más Angostas con Radios Reducidos
-  Turn Lane Removal / Eliminación de Carril para dar Vuelta
-  Pedestrian Lighting / Iluminación Peatonal
-  Intersection Lane Markings / Maracas viales en las intersecciones
-  Sharrows / Vía Compartida con Bicicletas
-  Existing Bus Stop / Parada de Autobús



Arlington County



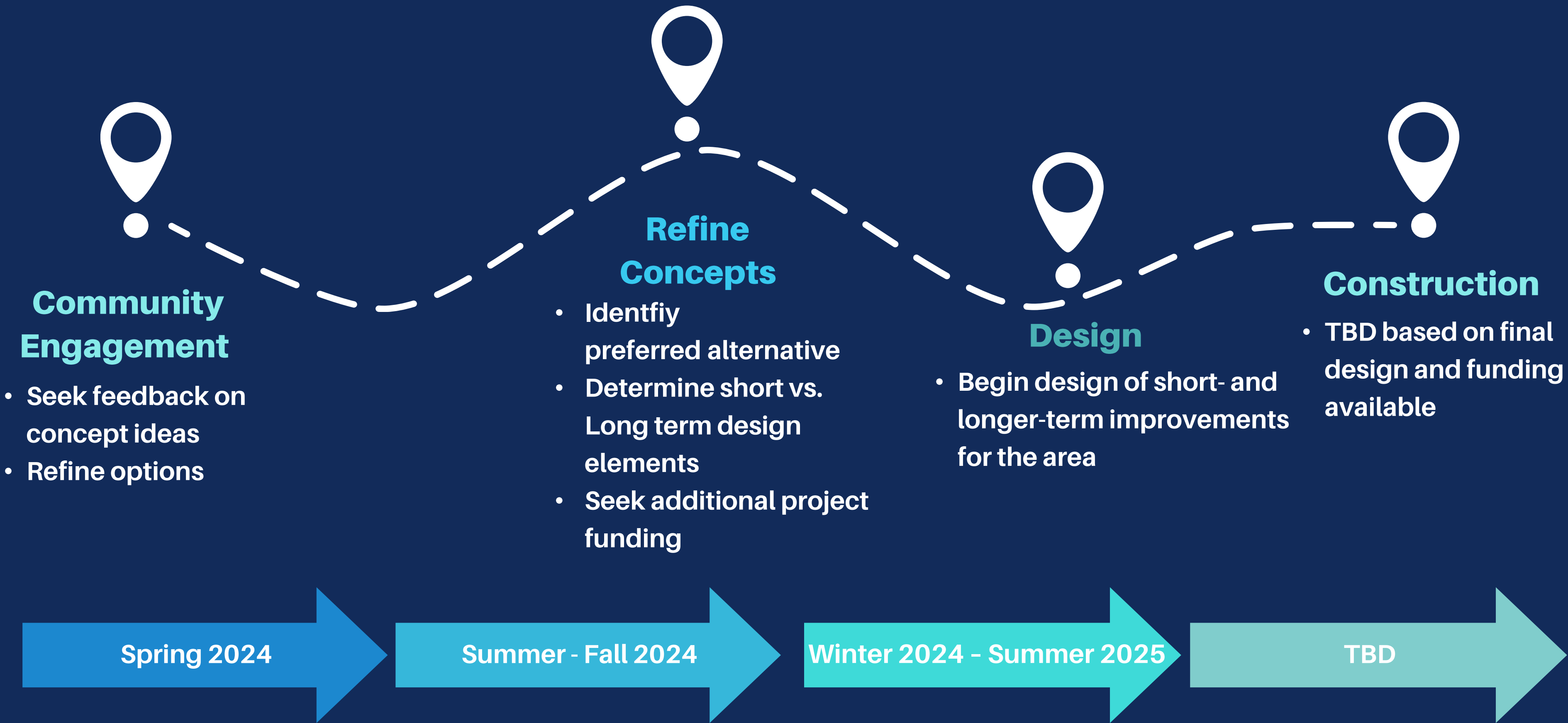
Next Steps

Provide Input:



Available online at: [Alexandriava.gov/4769](https://alexandriava.gov/4769)

Next Steps

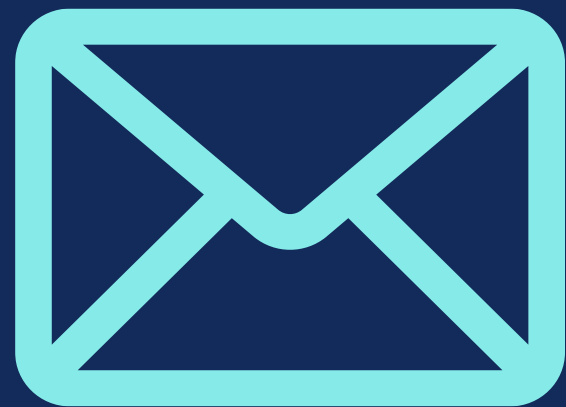


Stay Informed



Visit the shared project website at:

www.alexandriava.gov/go/4769



- **Sign up to receive email updates for the project - link on the project website.**



Questions & Comments

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