

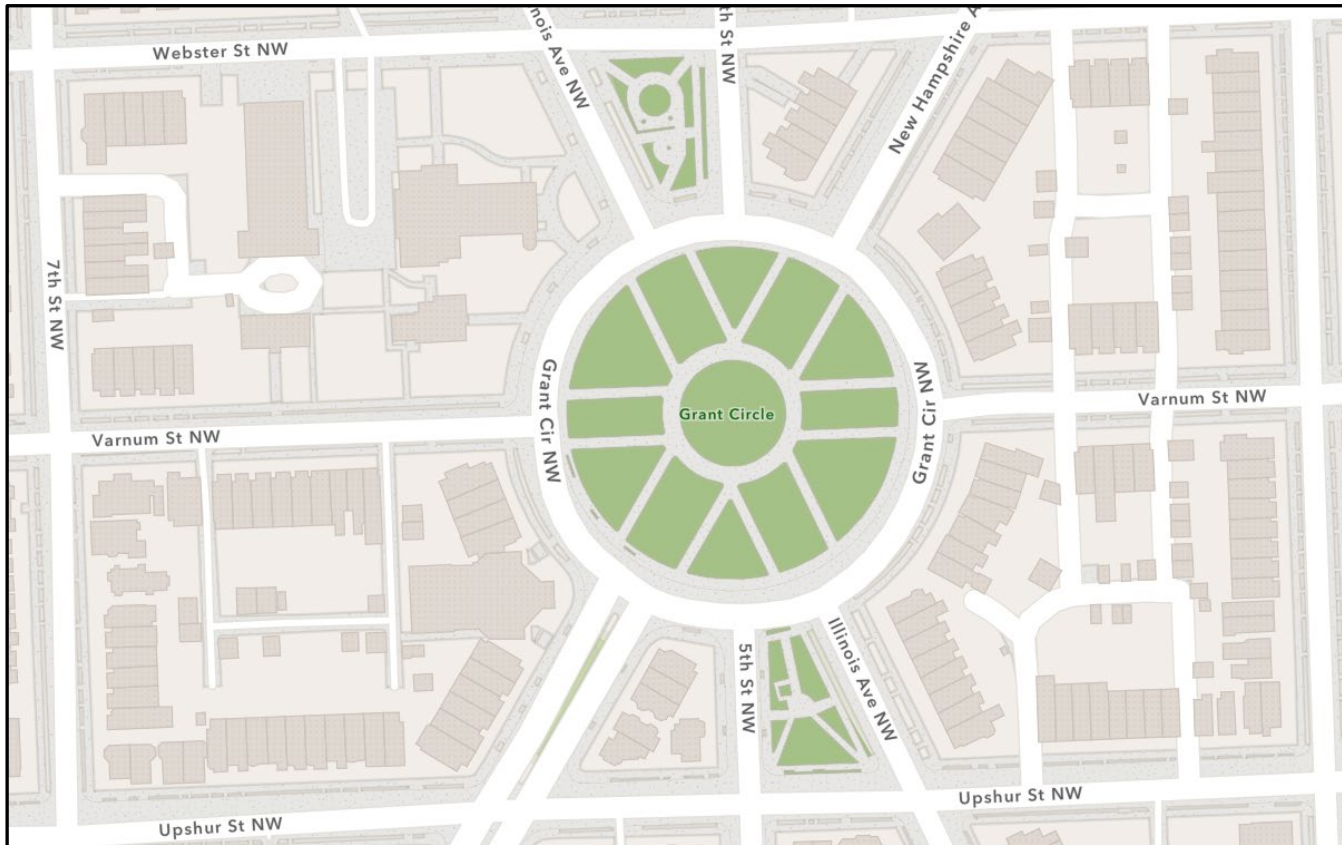
# DISTRICT DEPARTMENT OF TRANSPORTATION

## *Grant Circle Safety Improvements Project Community Meeting #2 6/17/2024*

# Agenda

- Background/Context
- Project Timeline
- Key Data Trends and Safety Concerns
- Community Feedback on Original Concept
- Option 1, 2 and 3

# Background



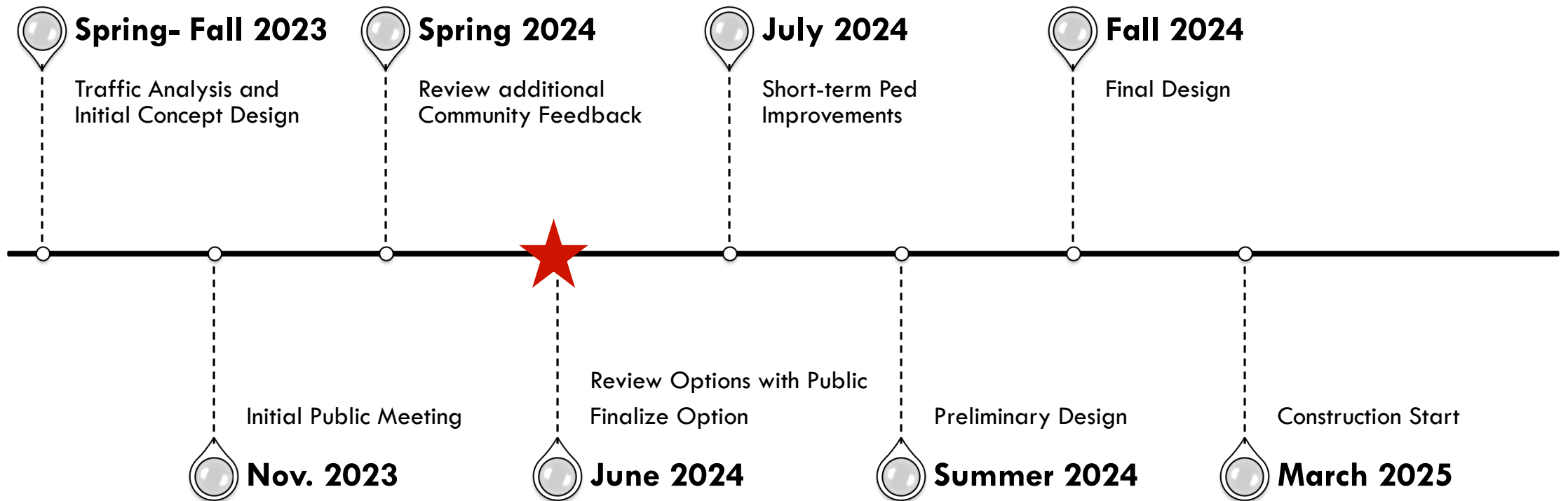
## History:

- 2017 Livability Study and Pilot
- 2018 - Temporary curb extensions, buffered bicycle lane, reduced turning radii, and shortened crosswalk distances.
- In 2023 new evaluation of the circle was initiated due to recent major crashes, including a fatality

## Objective:

- Address multi-modal safety at Grant Circle NW with long-term improvements

# Project Timeline



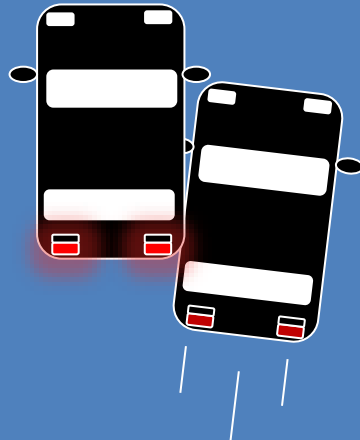
# Key Data Trends and Safety Concerns

# Crash Data: 2017 – 2022



# Crash Data: 2017 - 2022

Side Swipe



41%

Rear End



22%

Bicycle



20%

Fixed Object



10%

Parked Car

4%

Angle

4%

# Crash Trends: 2017 – 2022



## Sideswipes

- New Hampshire Ave (South) – approach leg
- New Hampshire Ave (North) – circulating lanes

## Rear Ends

- New Hampshire Ave (South) – circulating lanes and approach leg
- Varnum St (West) – circulating lanes

## Bicycles

- Varnum St (West); New Hampshire Ave (South); New Hampshire Ave (North) – exiting legs





# Other Safety Concerns Observed



High Speed Exiting Movements



Wide Crossings over Entry/Exit Legs



Multi-Lane Conflicts with Pedestrians



Illegal Parking in Bike Lane



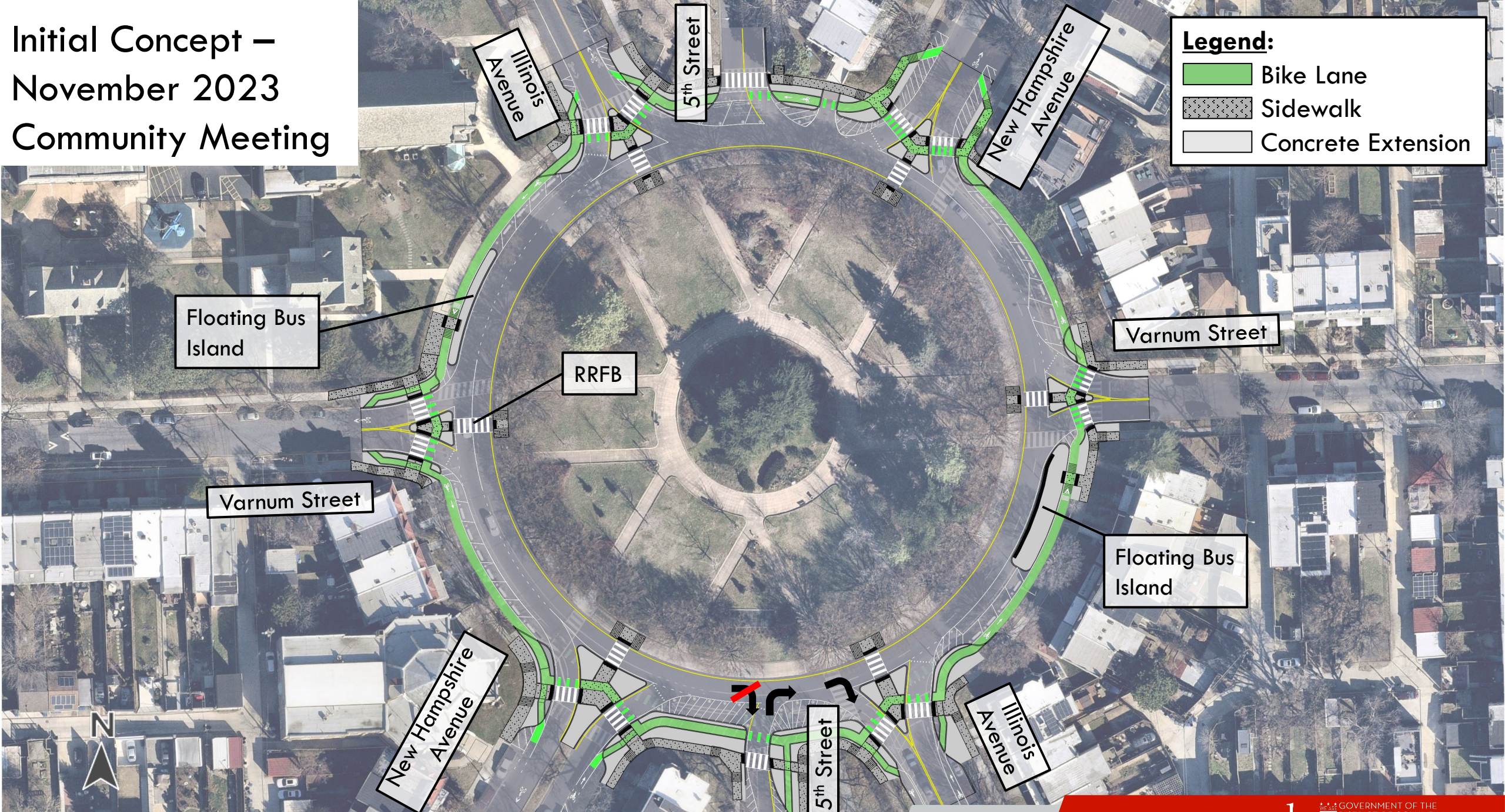
Illegal Parking in Quick-Build Bump-Outs





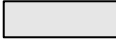
Queue Spillback from the Circle

# Community Feedback on Original Concept

# Initial Concept – November 2023 Community Meeting



**Legend:**

-  Bike Lane
-  Sidewalk
-  Concrete Extension

Floating Bus Island

RRFB

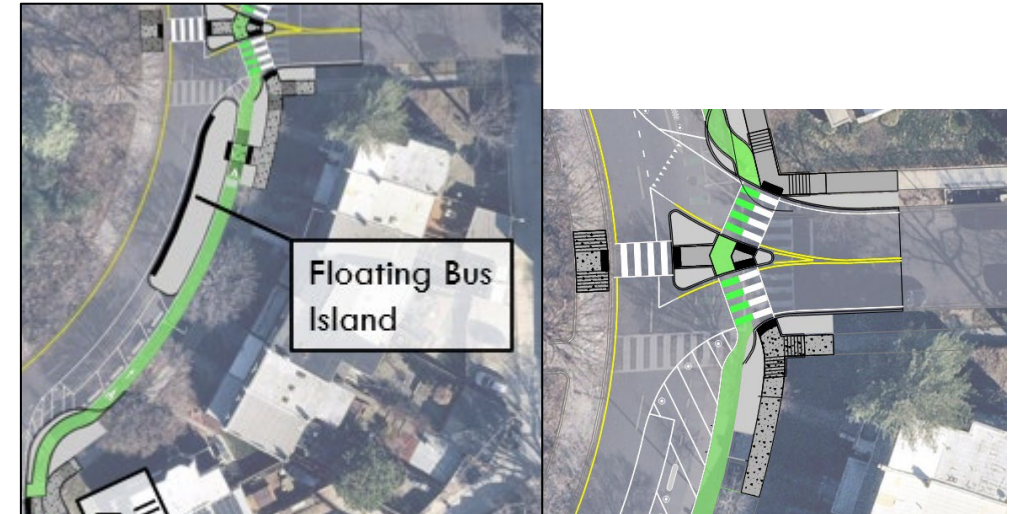
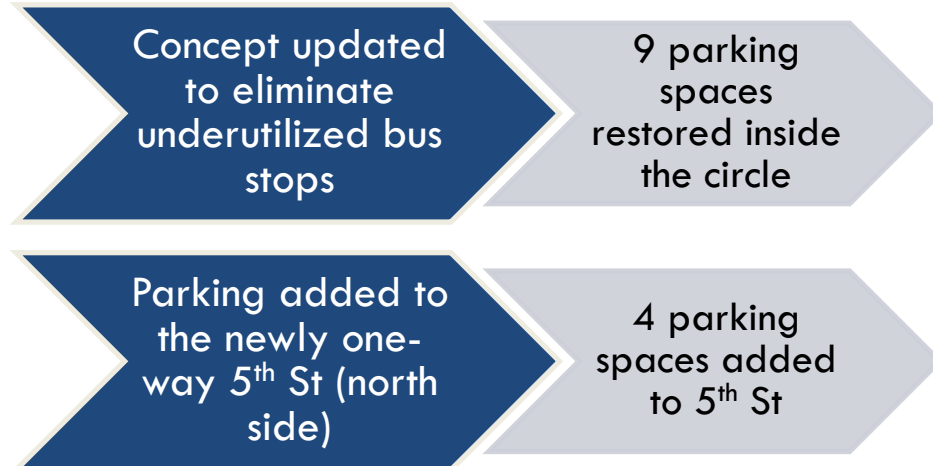
Varnum Street

Varnum Street

Floating Bus Island

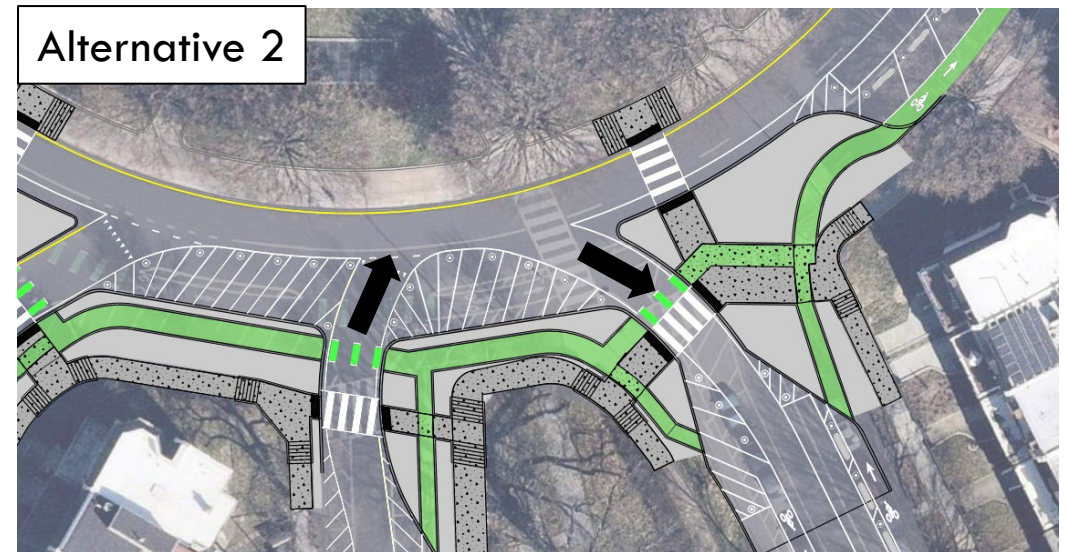
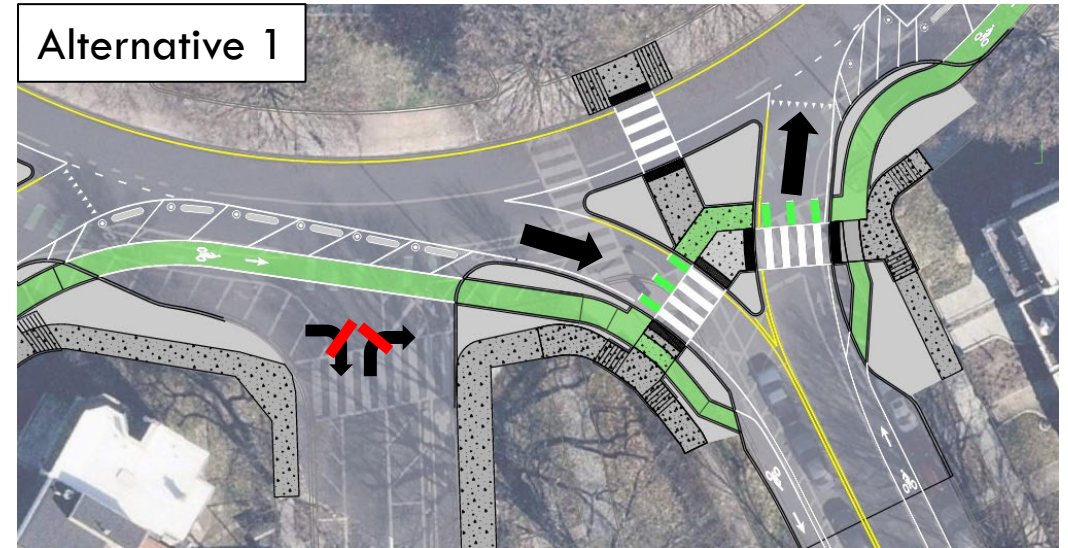
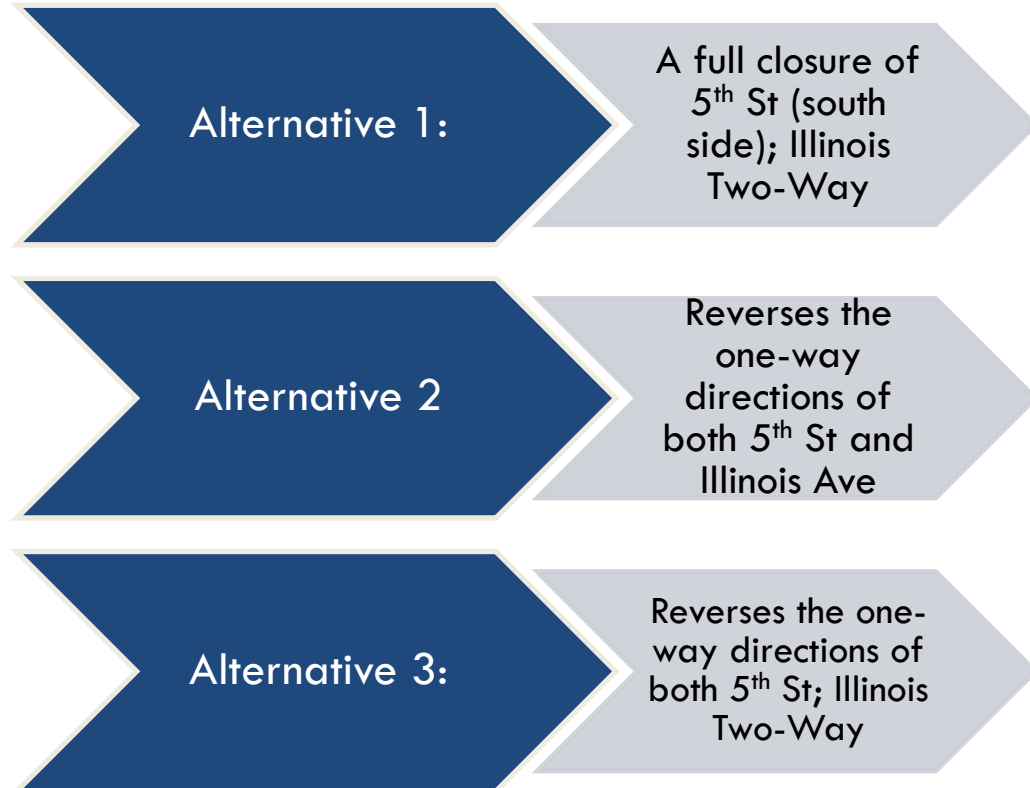


# Community Concern #1: Loss of Parking

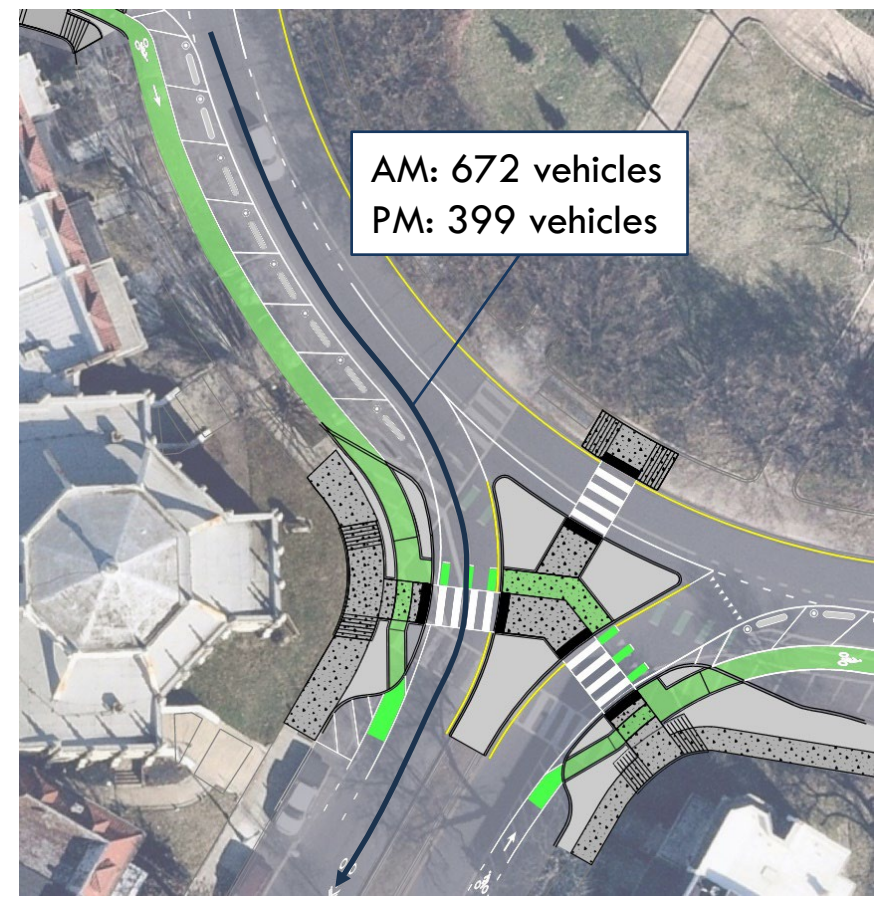
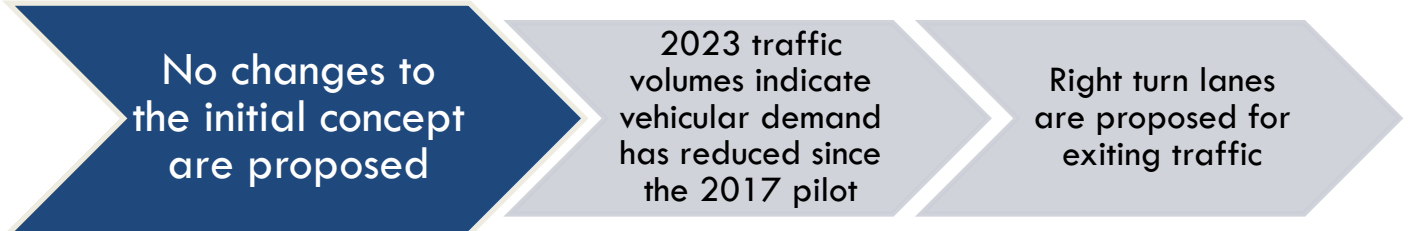


# Community Concern #2: Changes in Circulation

Two additional alternatives for vehicular circulation,



# Community Concern #3: Congestion Impacts



## Community Concern #4: Pedestrian Safety

Concept revised  
to include RRFBs  
for all crosswalks  
across the circle

Interim project will  
install solar-powered  
LED warning signs and  
other signing  
upgrades (July 2024)



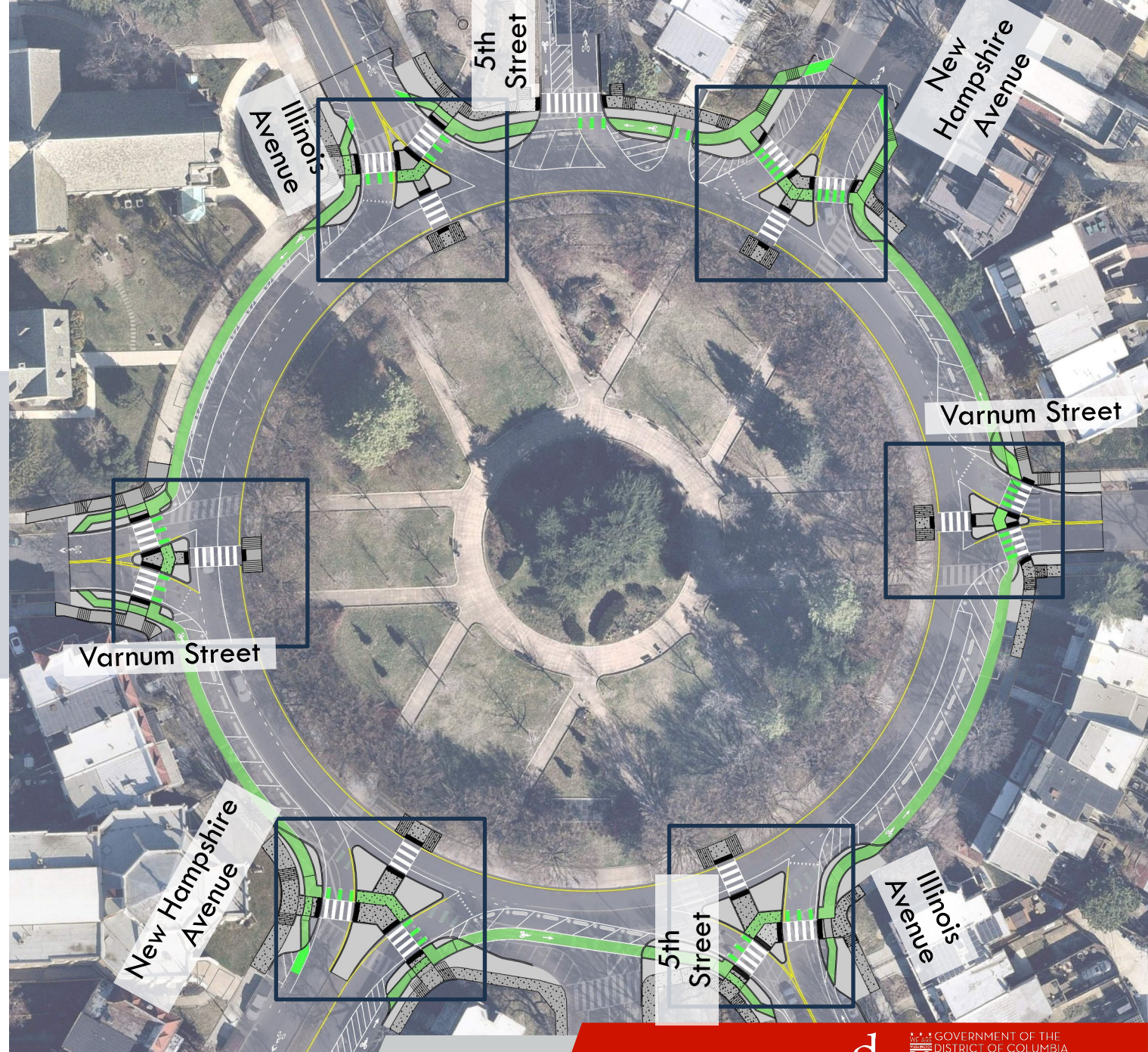


# Updated Concepts

## All Concepts Include:



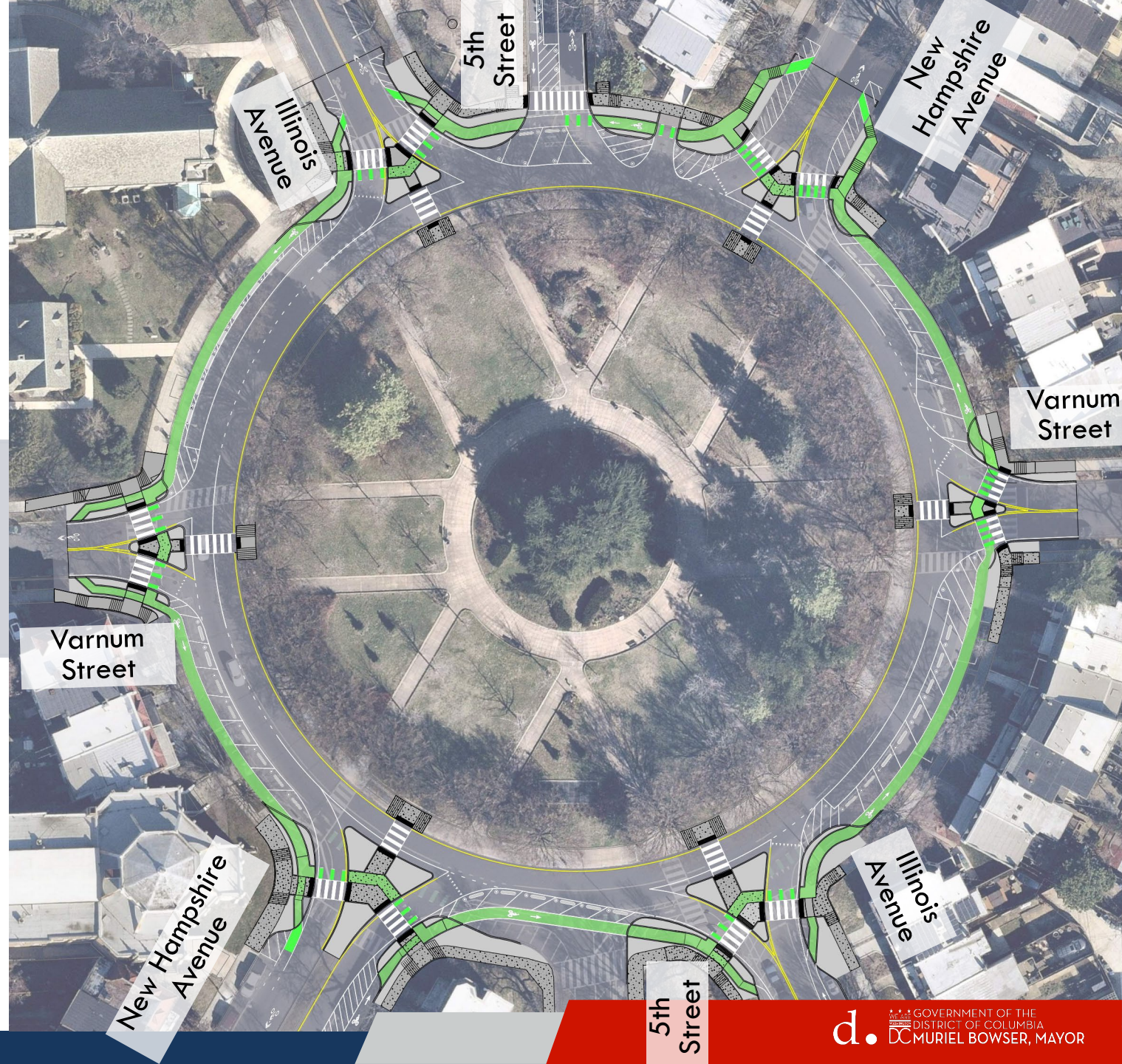
- 5 out of 6 Single Lane Crossings
- 6 RRFBs crossings in the circle
- Pedestrian refuges at all two-way entry/exit legs



## All Concepts Include:



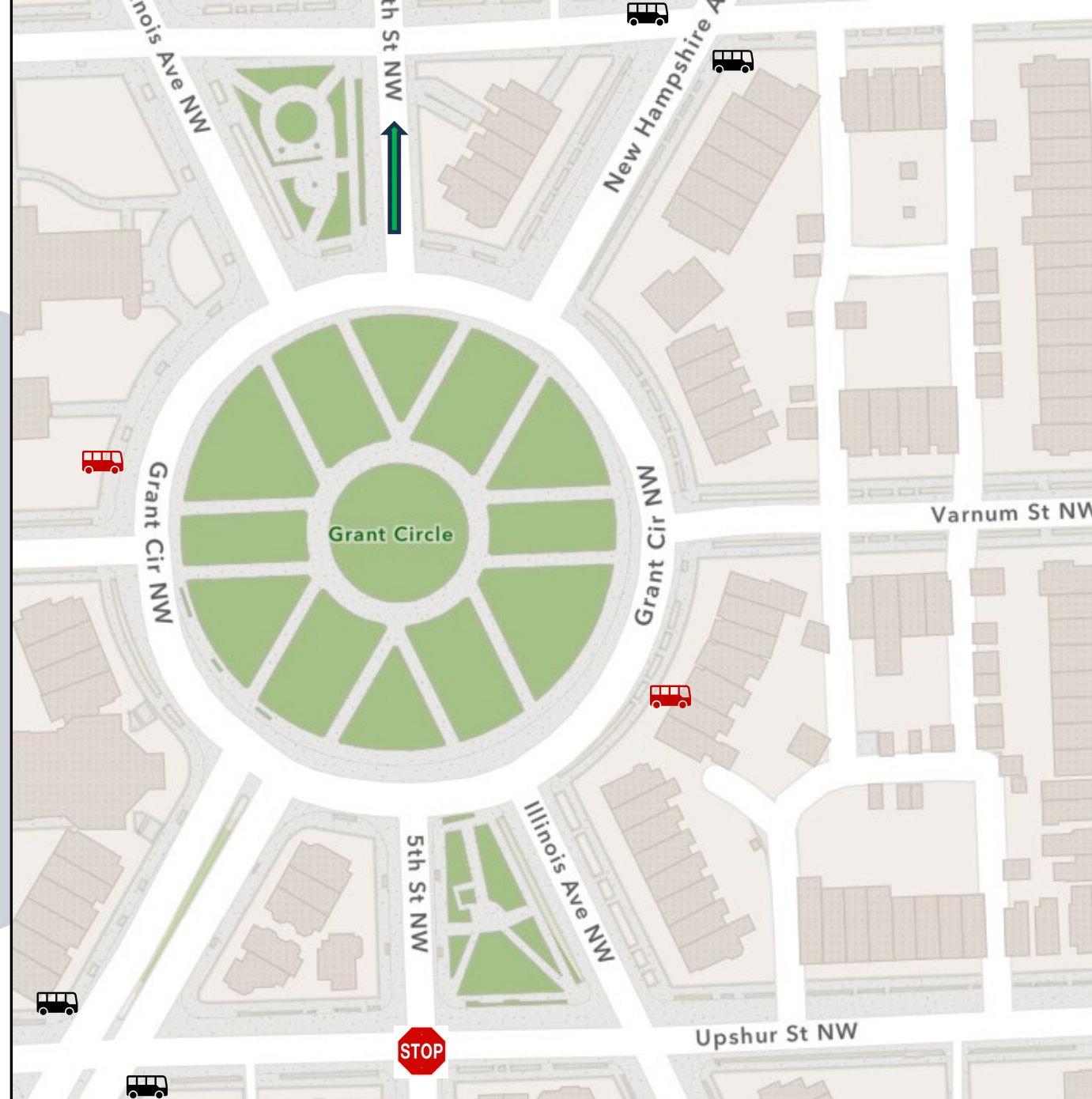
- Bicycle lane separated by concrete decliners
- Conflict angles between bicyclists and vehicles improved



## All Concepts Include:



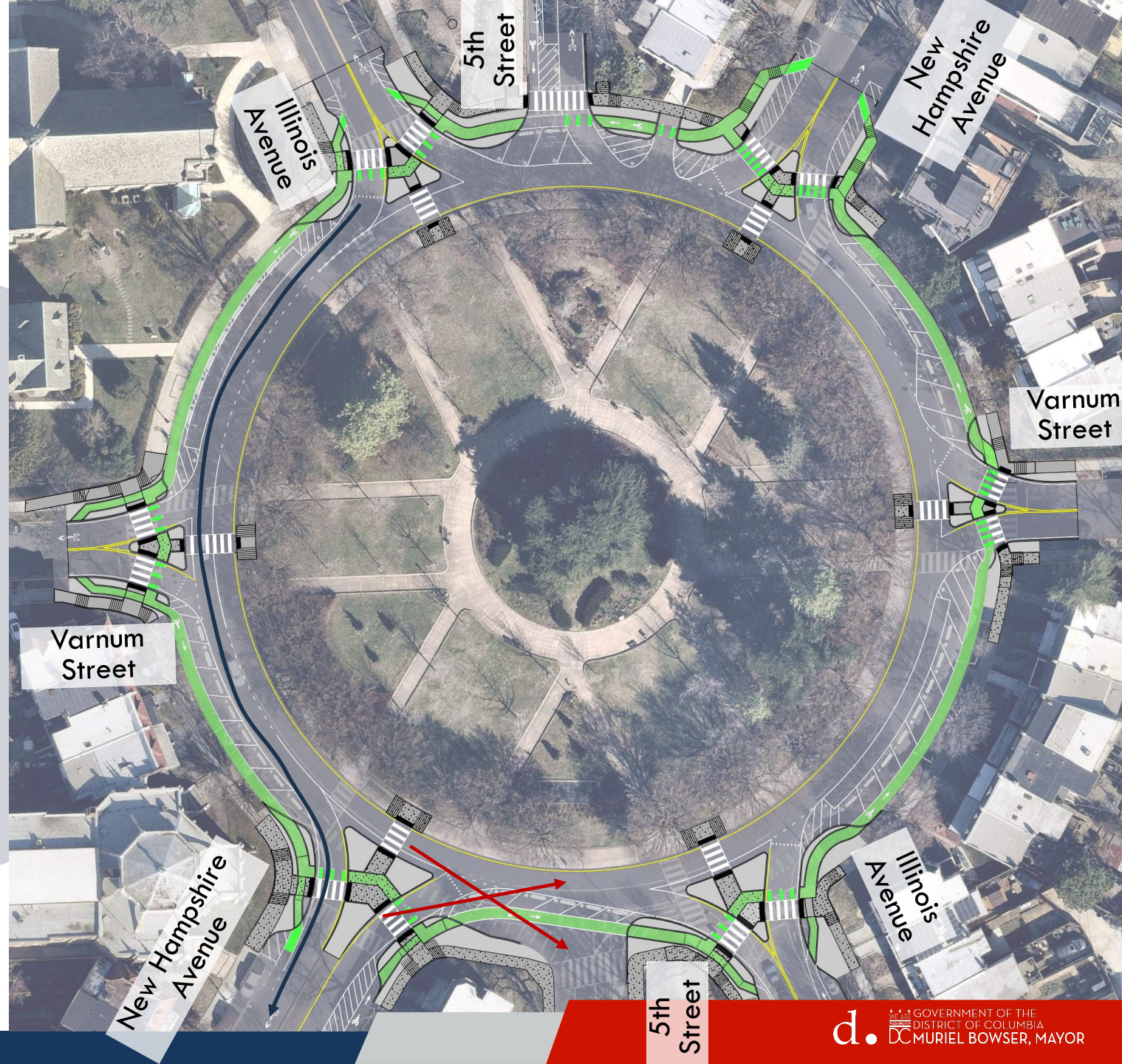
- All-Way Stop Control at 5<sup>th</sup> St (south side) and Upshur St NW
- Reduced traffic on 5<sup>th</sup> Street South
- One-way of 5<sup>th</sup> Street (north side) – 1 conflict point eliminated
- Two underutilized transit stops within the circle are removed



## All Concepts Include:



- Circulating lanes are reduced where feasible
- Right turn exiting lanes at New Hampshire Avenue South
- Eliminate short weave on south of the circle

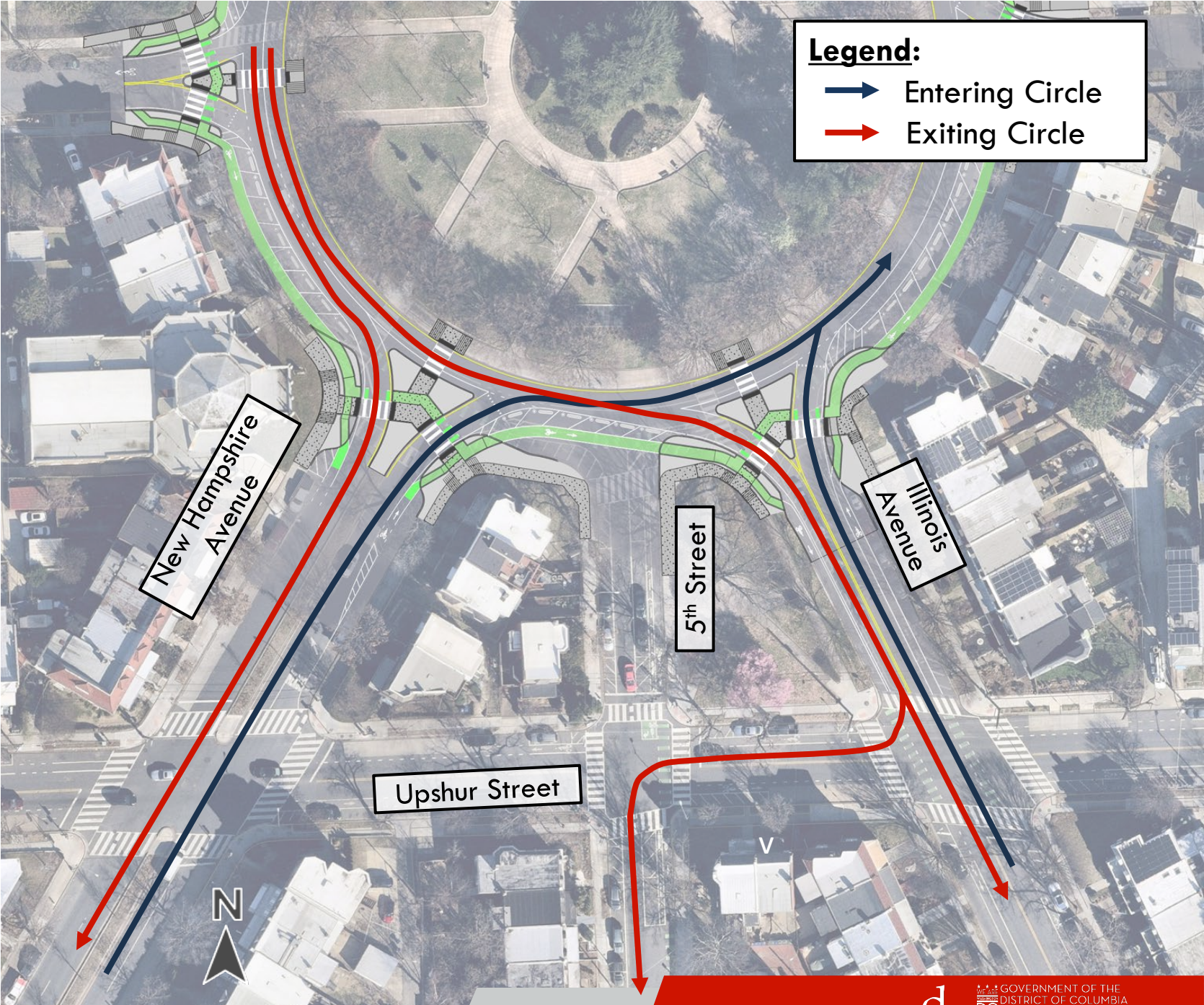


# Variation in Concepts

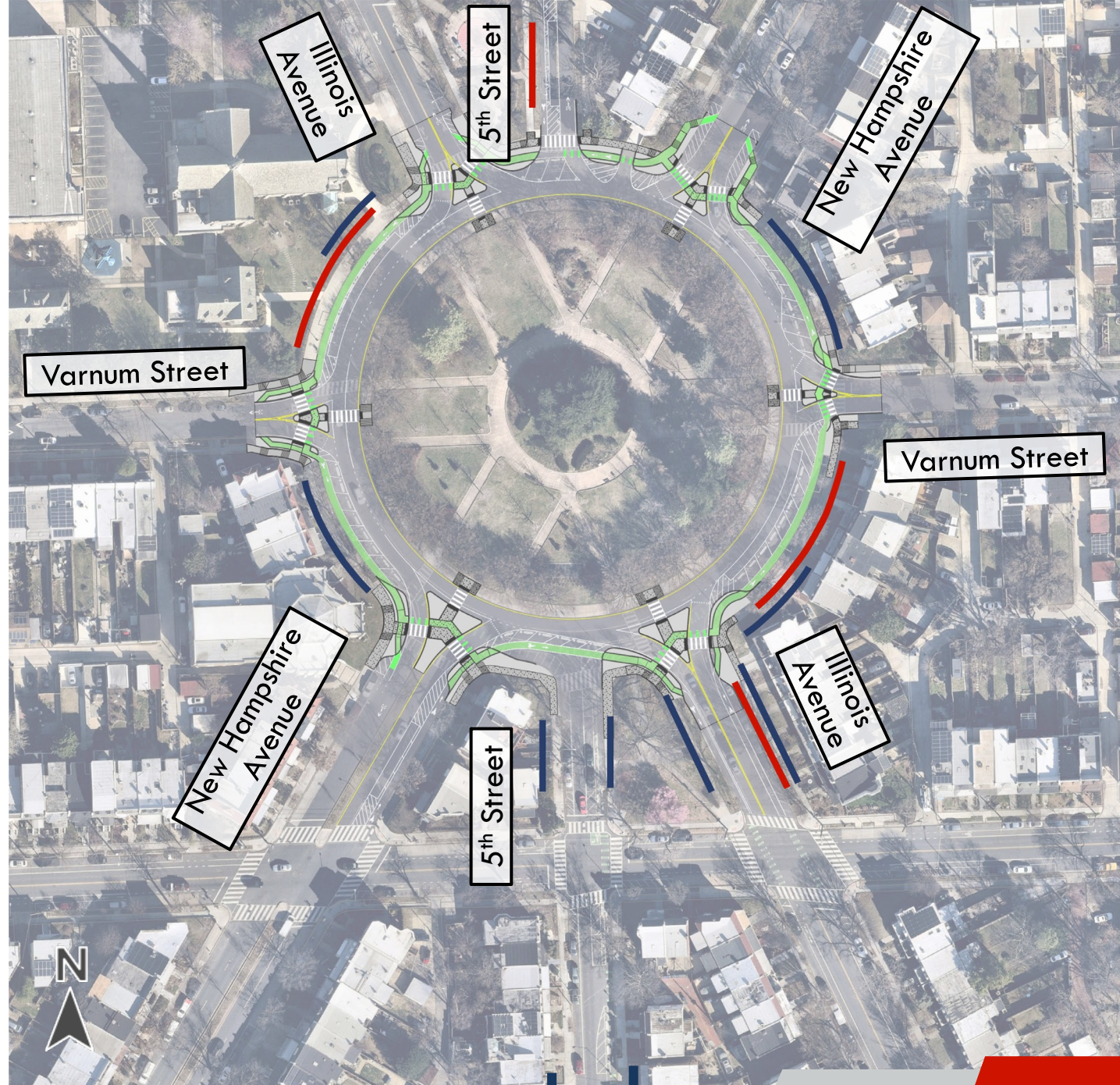
# Alternative 1

South Side: 5th St Closure;  
Illinois Two-Way

- Circulation Impacts
  - Eliminates 1 more conflict point
  - Most effective at reducing weaving and improving safety
- Parking Impacts
  - 15 spaces removed



# Alternative 1 Parking Impacts



**Legend:**

- Existing
- Proposed



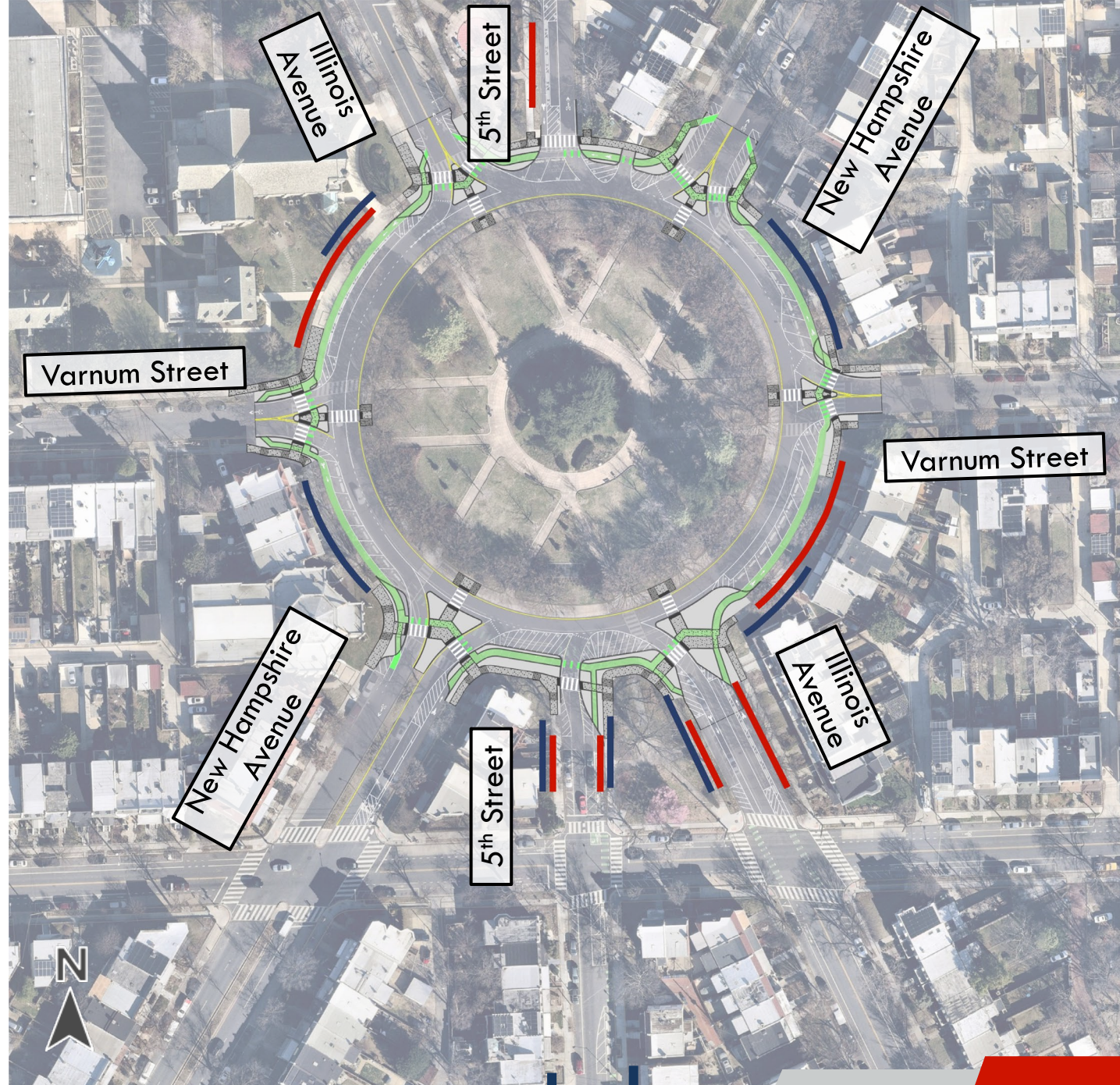
# Alternative 2

5th St One-Way NB;  
Illinois Ave One-Way SB

- Circulation Impacts
  - Reduces weaving slightly
  - Diversion for NB Illinois traffic - increased queuing
- Parking Impacts
  - 8 spaces removed



# Alternative 2 Parking Impacts



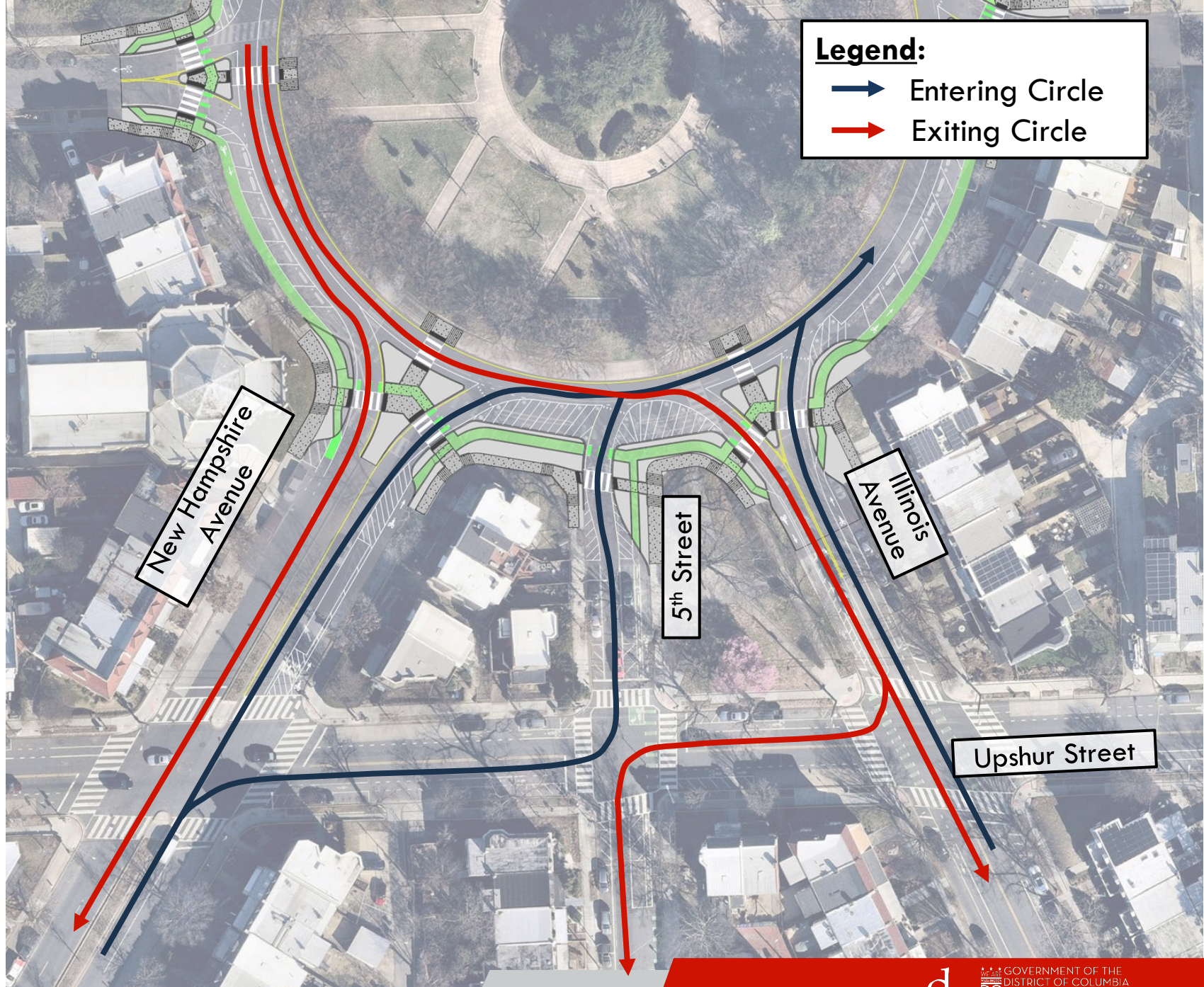
**Legend:**

- Existing
- Proposed

# Alternative 3

5th St One-Way NB;  
Illinois Ave Two-Way

- Circulation Impacts
  - Reduces weaving slightly
- Parking Impacts
  - 11 spaces removed



**Legend:**

- Entering Circle
- Exiting Circle

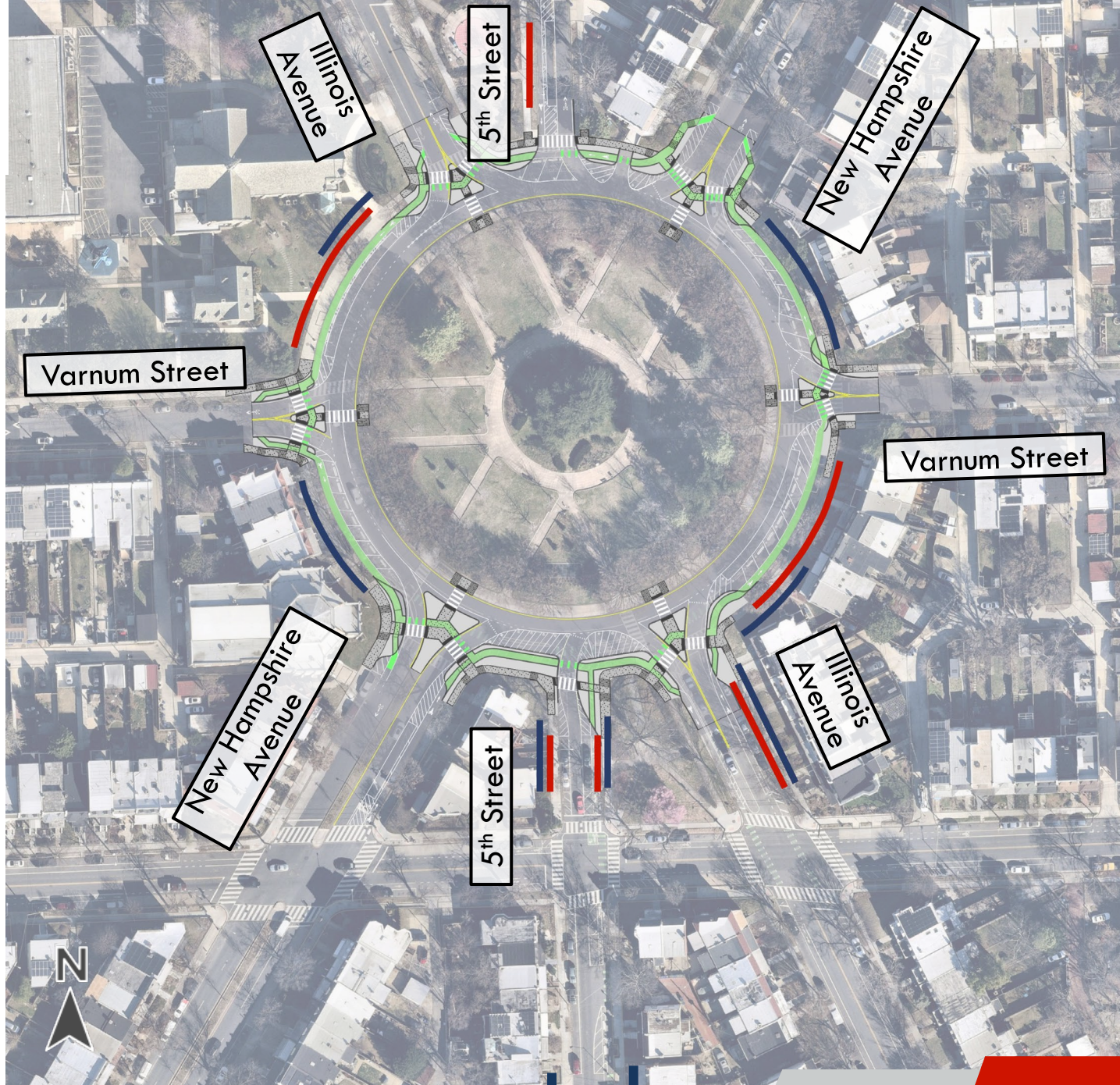
New Hampshire Avenue

5th Street

Illinois Avenue

Upshur Street

# Alternative 3 Parking Impacts



**Legend:**

- Existing
- Proposed

## Next Steps

Community Response Window: 3 weeks until 07/12/2024

Send feedback to:

Ward Engagement Lead, Kornelius Anderson at [kornelius.anderson@dc.gov](mailto:kornelius.anderson@dc.gov)

and

Project Manager - Zhibo Zhang at [zhibo.zhang@dc.gov](mailto:zhibo.zhang@dc.gov)

Administration Chief - Neelima Ghanta at [Neelima.ghanta@dc.gov](mailto:Neelima.ghanta@dc.gov)



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# District Department of Transportation

**250 M St SE | Washington, DC 20003 | 202.673.6813**