



WE ARE WASHINGTON  
GOVERNMENT OF THE DISTRICT OF COLUMBIA  
DC MURIEL BOWSER, MAYOR



# Vision Zero DDOT Improving Arterial Safety in the District

# Mayor Muriel Bowser

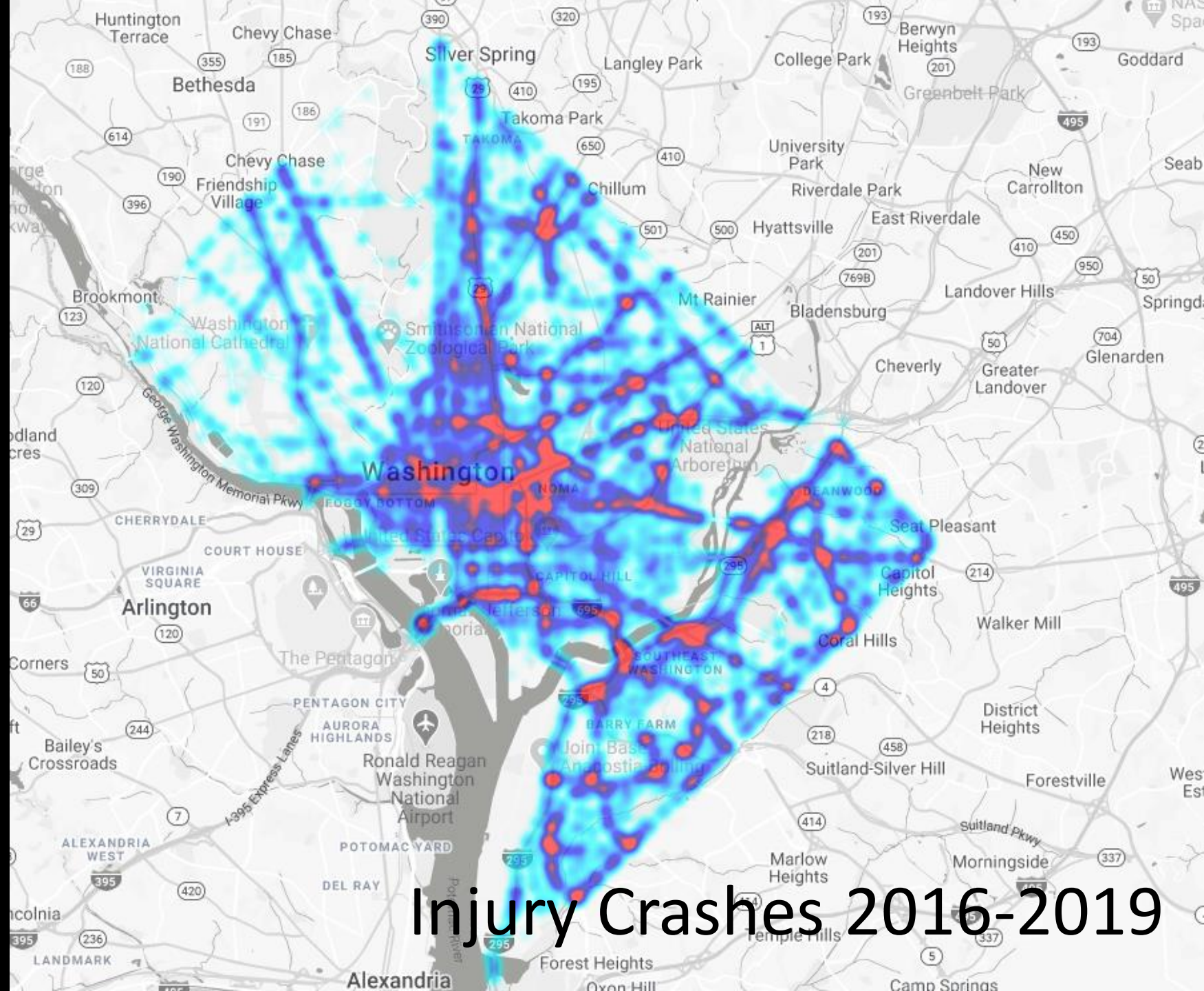
*“We will do everything in our power to eliminate transportation fatalities and serious injuries, because no loss of life is acceptable.”*



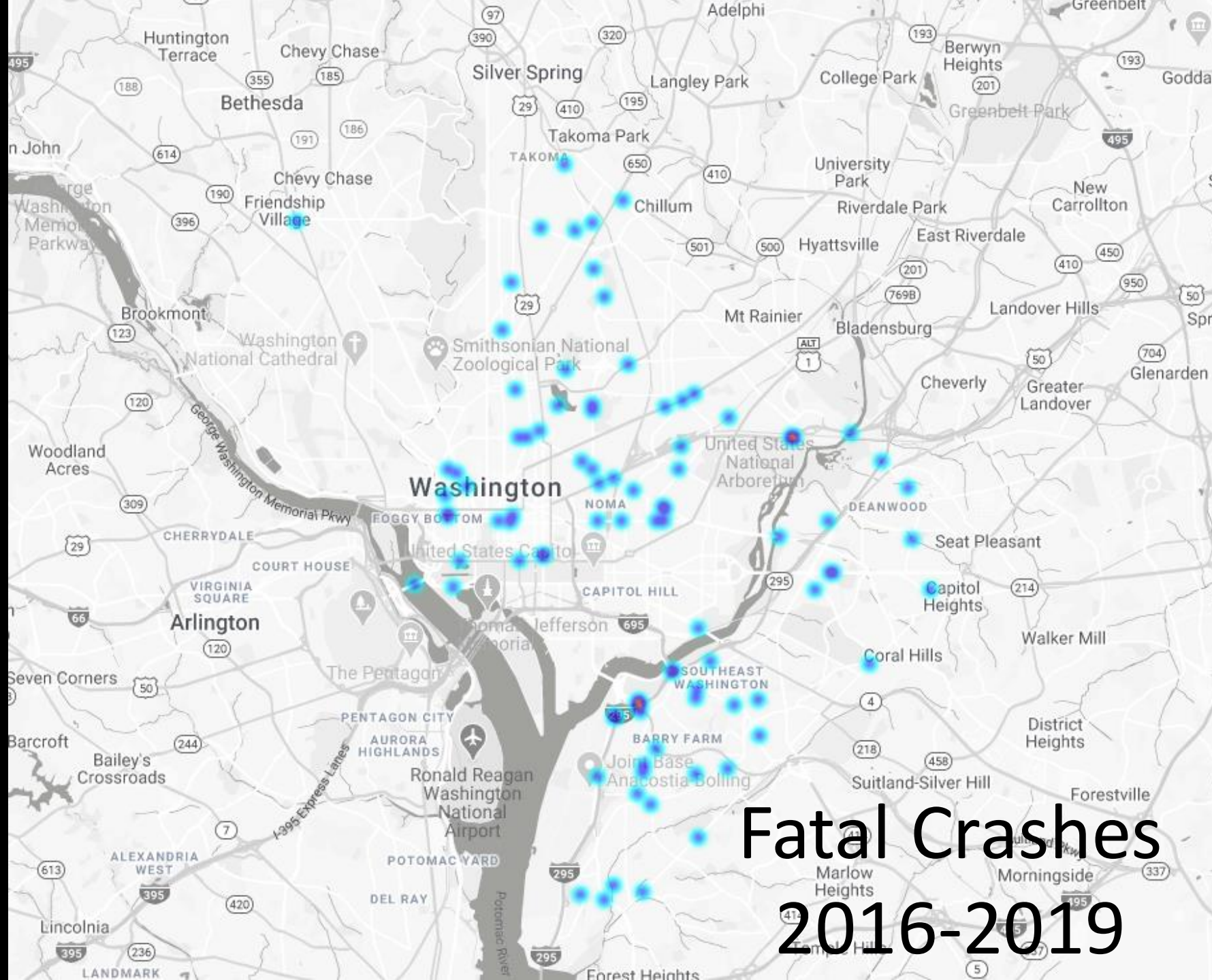
## What does Vision Zero mean?

- ✓ Traffic deaths are PREVENTABLE
- ✓ Prevent FATAL AND SEVERE CRASHES
- ✓ Integrate HUMAN FAILING in design approach
- ✓ SYSTEMS approach, not just individuals

# Following the Data

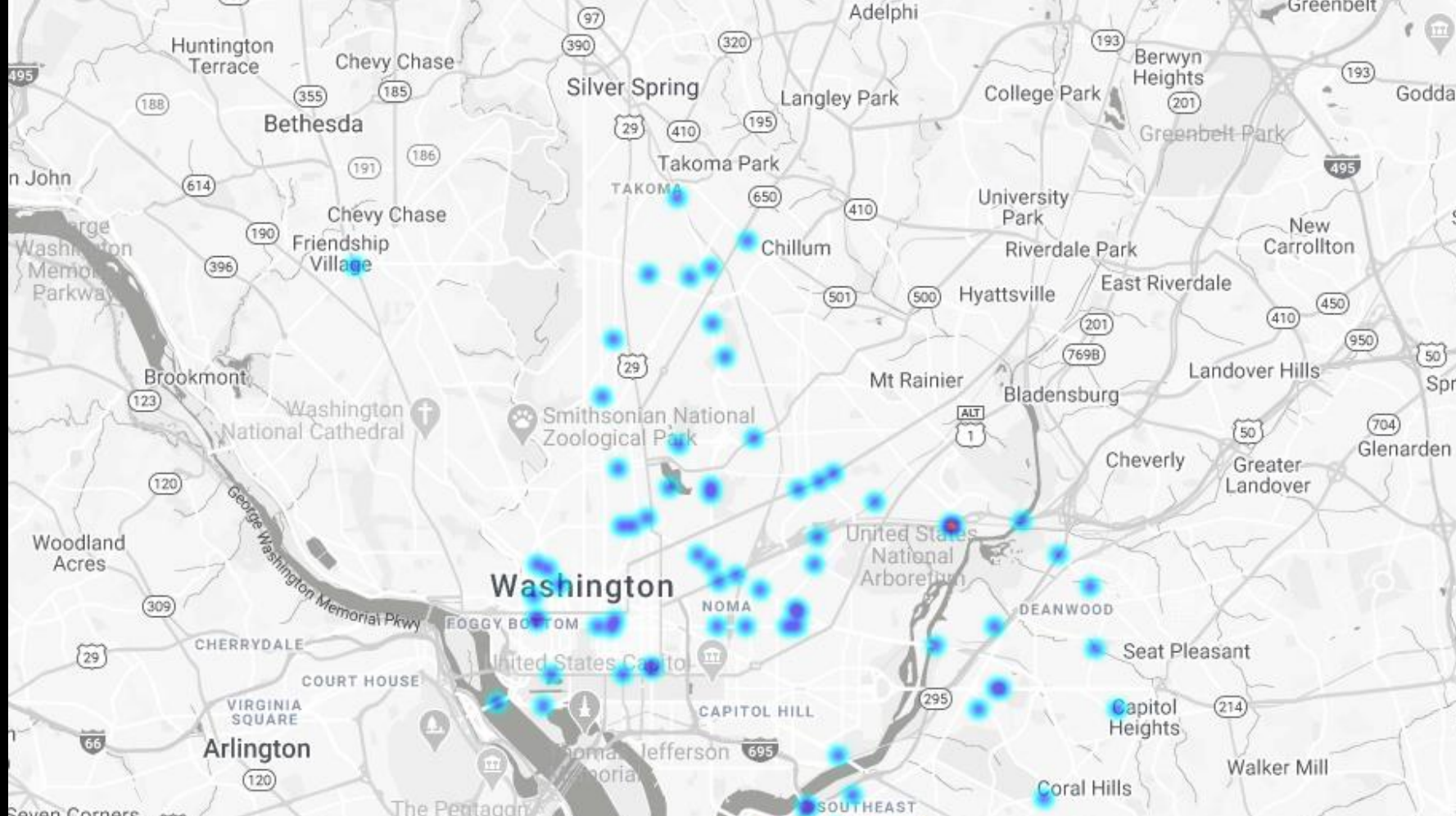


# Following the Data



Fatal Crashes  
2016-2019

# Following the Data



35  
arterials

> 50%  
Traffic fatalities

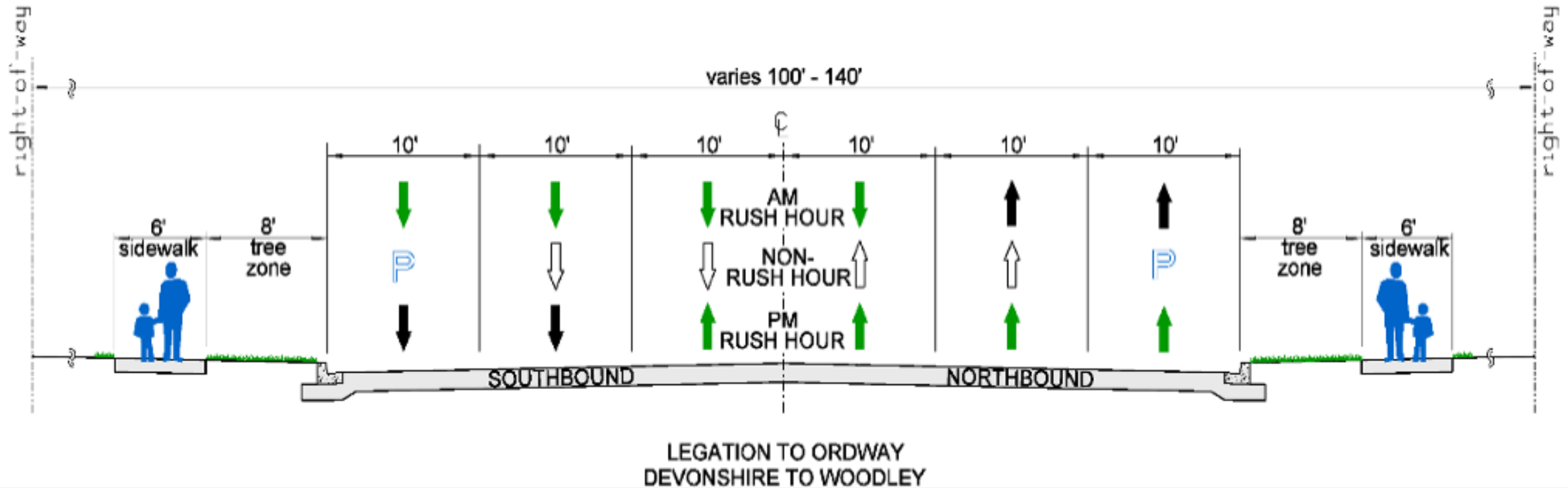
# Arterial Corridor Redesigns

# Connecticut Ave NW (current)





# Connecticut Ave NW: Cross-Section



# Potential Corridor Safety Improvements

## All Concepts

### Speed Management



Review Existing Speed Limit. **Potential Reduction to 25 mph**



Dynamic Speed Feedback Signs

### Automated Enforcement



Speed Enforcement Cameras



Red Light Enforcement Cameras Locations (TBD)

### Pedestrian



Pedestrian Hybrid Beacon/ HAWK Signal



Curb Extensions

### Intersection Geometry



Remove channelized right-turn lane



Approach Realignment

### Signal Visibility



Signal/HAWK Reflective Backplates



DDOT Specific Mast Arm

### Access Management



Left-Turn Restrictions ("No Left Turn" Signs)



Corner Driveway / Alley Intersection Clearance

# Concept C – Segment Renderings



Concept C – Illustrative Rendering

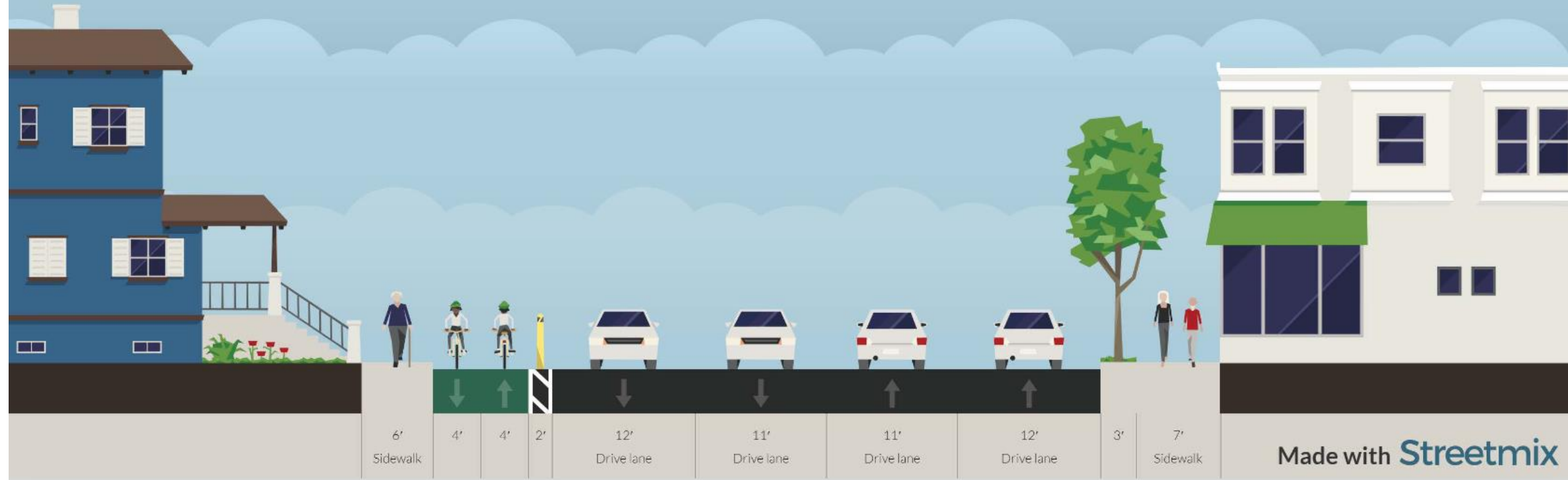


Concept C – Illustrative Rendering

# Florida Ave NE (before)



# Florida Ave NE (600 Block Proposed)



Florida Ave NE  
(interim 2019)





District Department of Transportation

# Proposed Florida Ave. 6<sup>th</sup> St. NE to 8<sup>th</sup> St. NE Looking Towards H St. NE



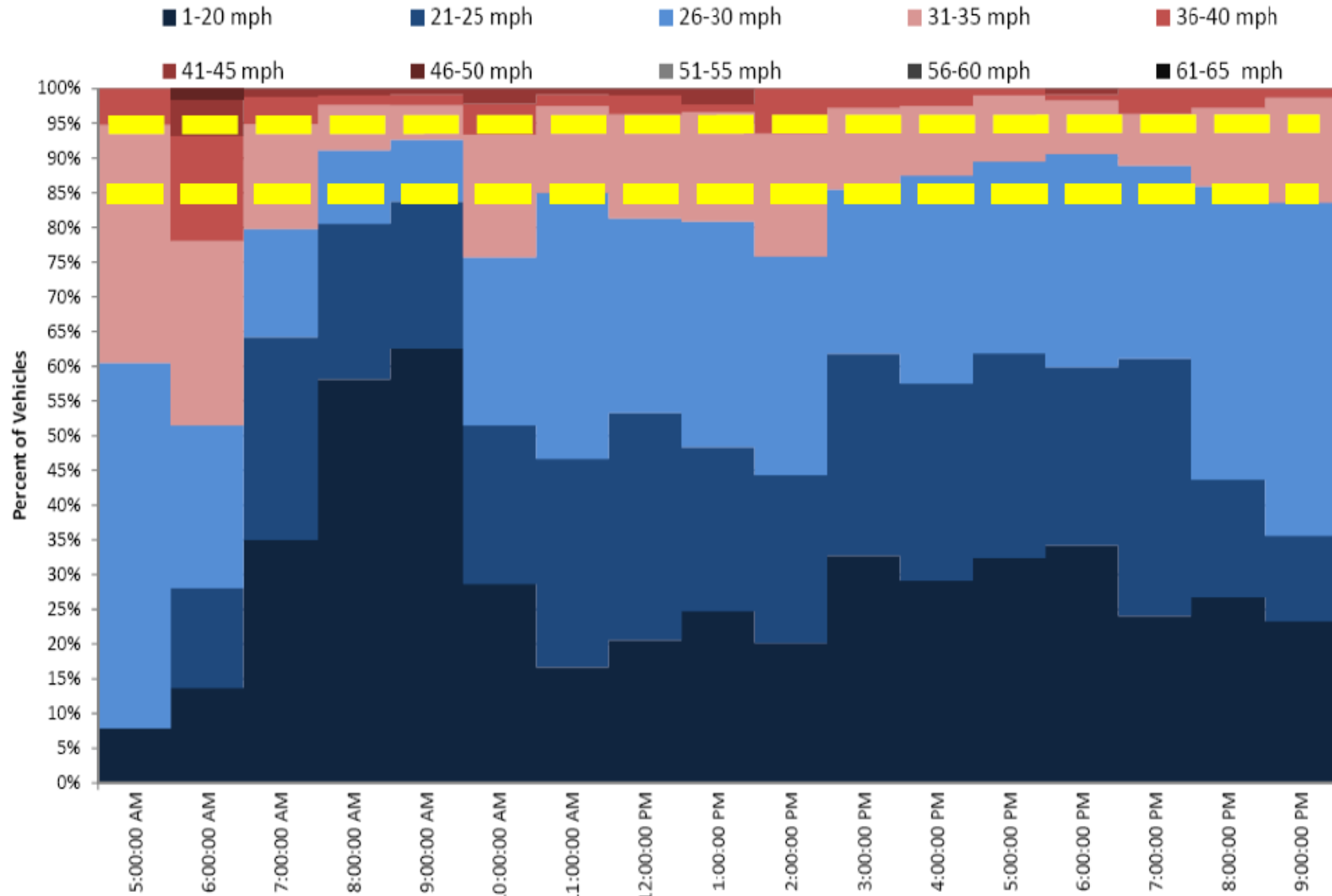
Gallaudet University	8'-6" to 10' Existing Sidewalk/ Amenity Zone	4' Protected Bike Lane	1' Buffer	10.5' Westbound Lane	10' Westbound Lane	10' Eastbound Lane	10.5' Eastbound Lane	1' Buffer	4' Protected Bike Lane	8'-6" to 10' Sidewalk/ Amenity Zone
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Maryland  
Ave NE  
(before)

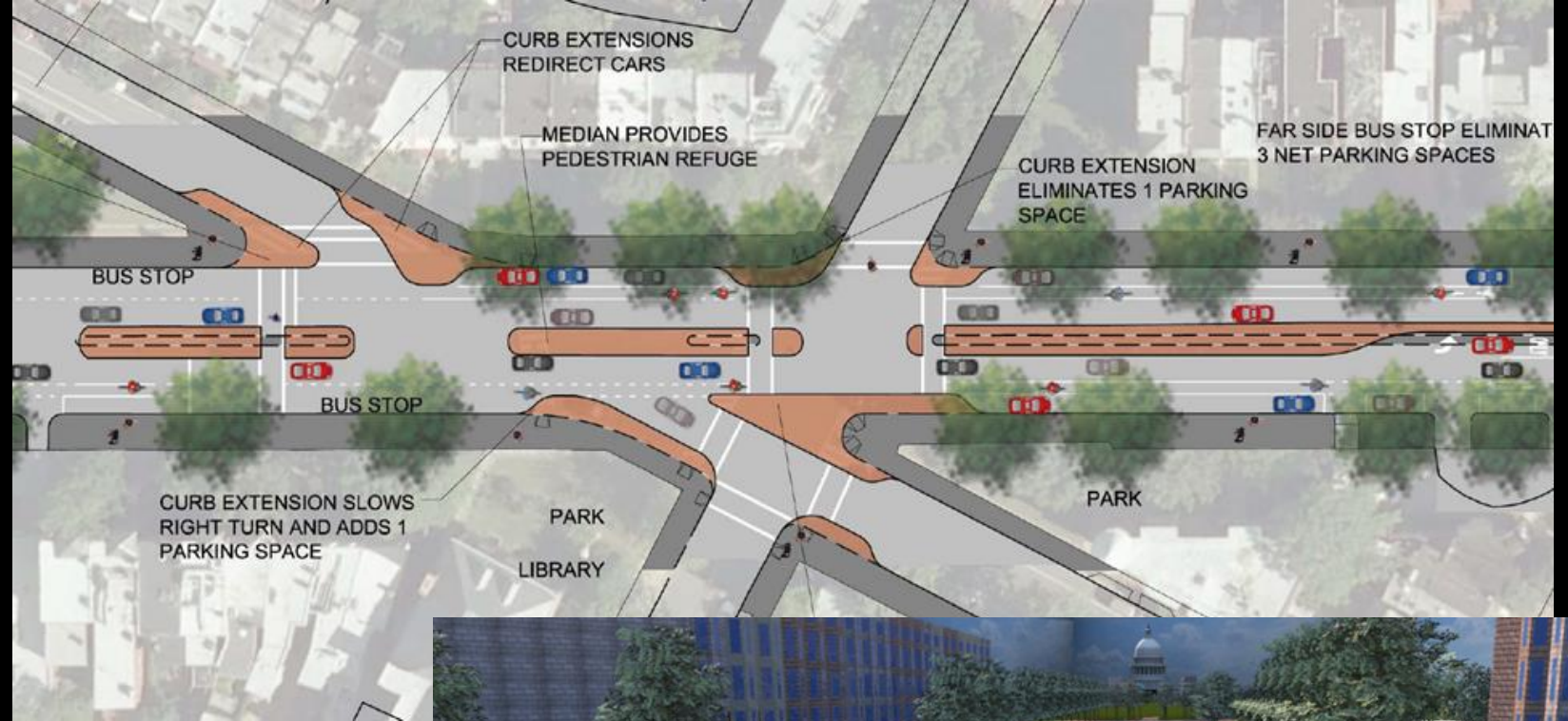




## Maryland Avenue Westbound between 10th and 11th Streets Midweek Speed Profile



# Maryland Ave NE (under construction)

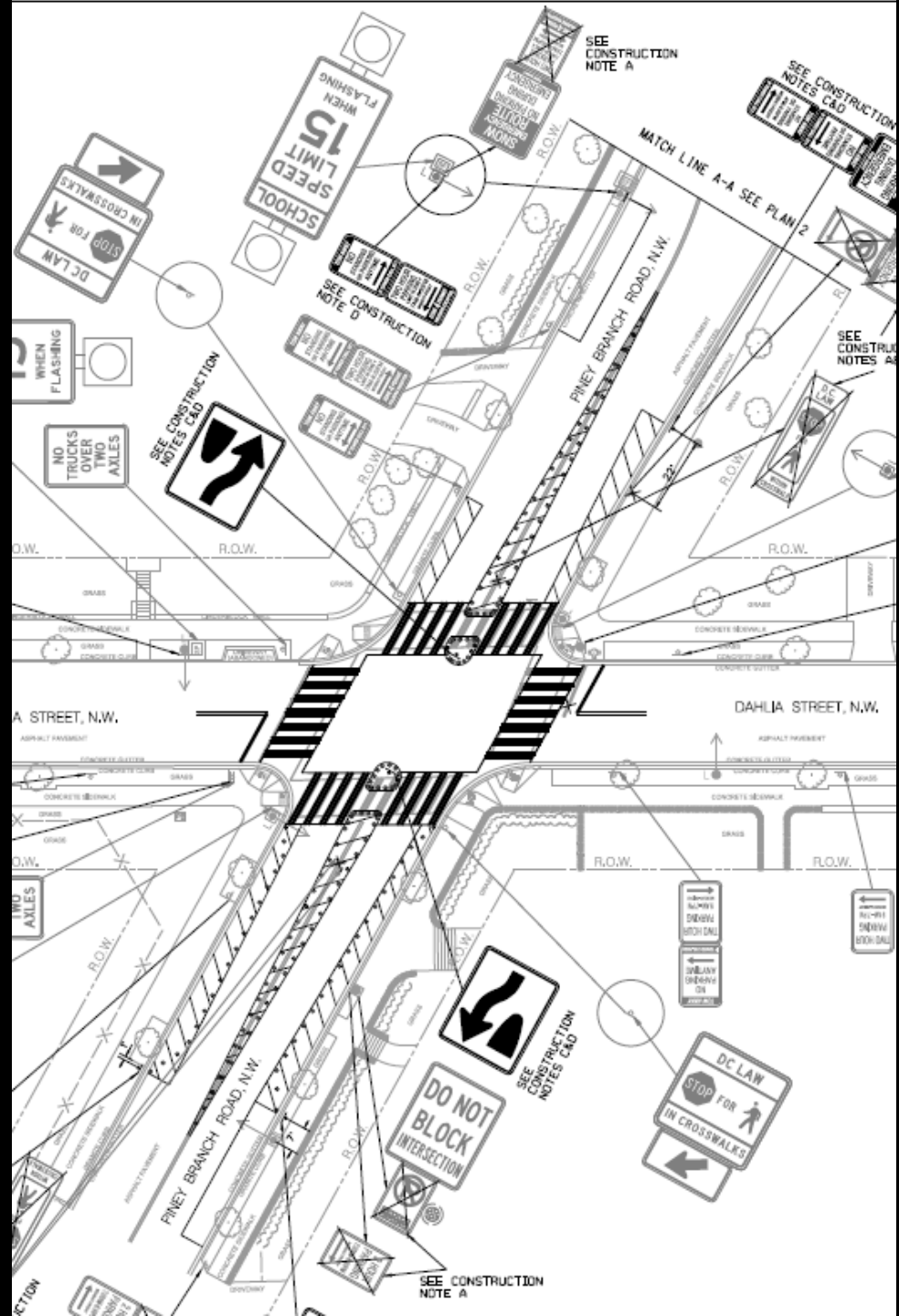


# Post-Fatal Crash Site Visits & Short-Term Interventions



# Responding with Design

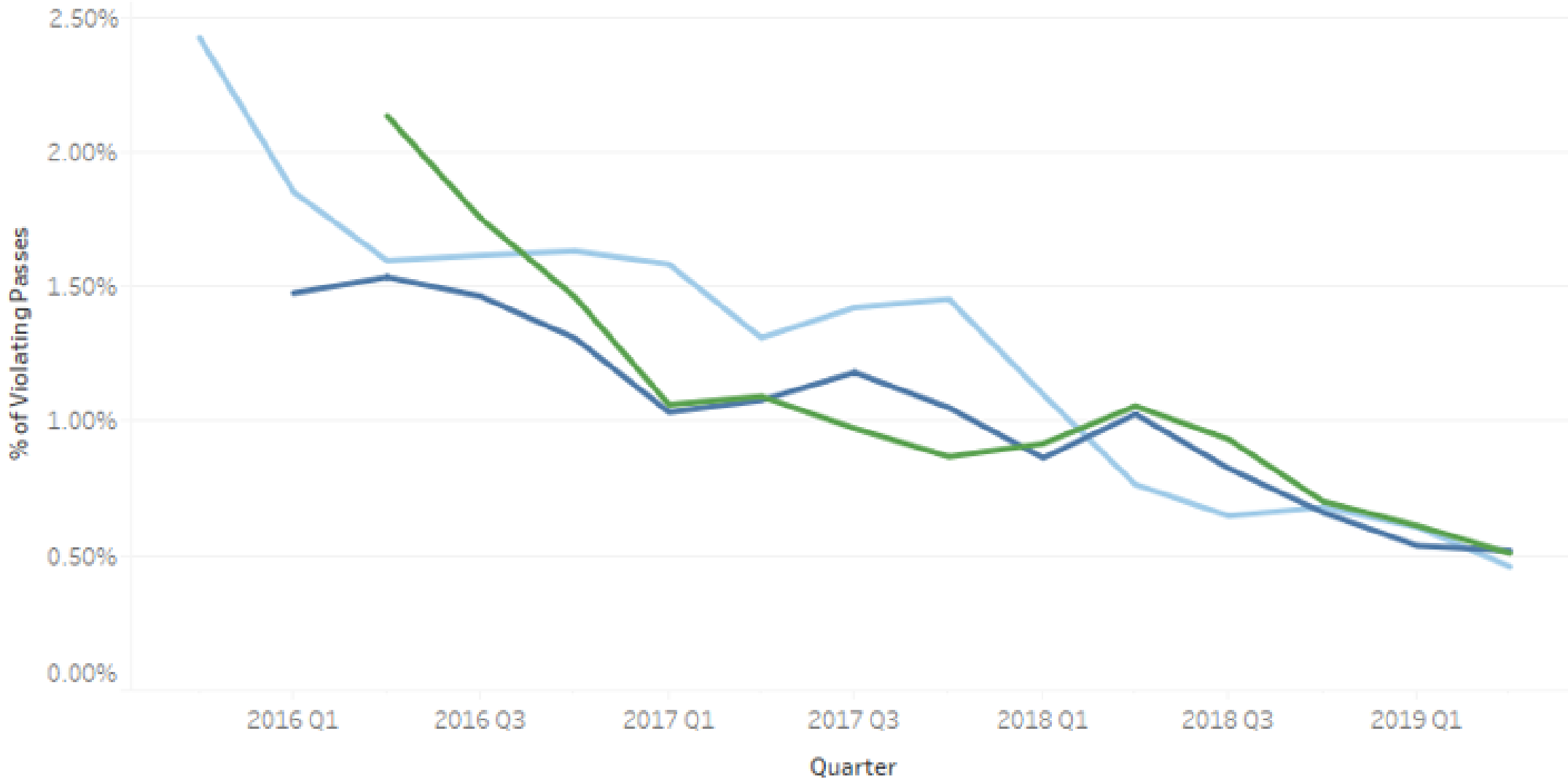




# Arterial Speed Management



## AVERAGE PERCENTAGE OF VIOLATING PASSES FOR HIGH-CITATION LOCATIONS





<b>Measure</b>	<b>Before Enforcement</b>	<b>After Enforcement</b>
<b>Mean</b>	53.01	50.51
<b>Standard Deviation</b>	6.62	4.88
<b>25th Percentile</b>	50	49
<b>50th Percentile</b>	53	51
<b>75th Percentile</b>	56	53
<b>95th Percentile</b>	63	57
<b>99th Percentile</b>	72	61

Before and after speed statistics in the vicinity of DC 295 location.

\* All Speeds in **mph**



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