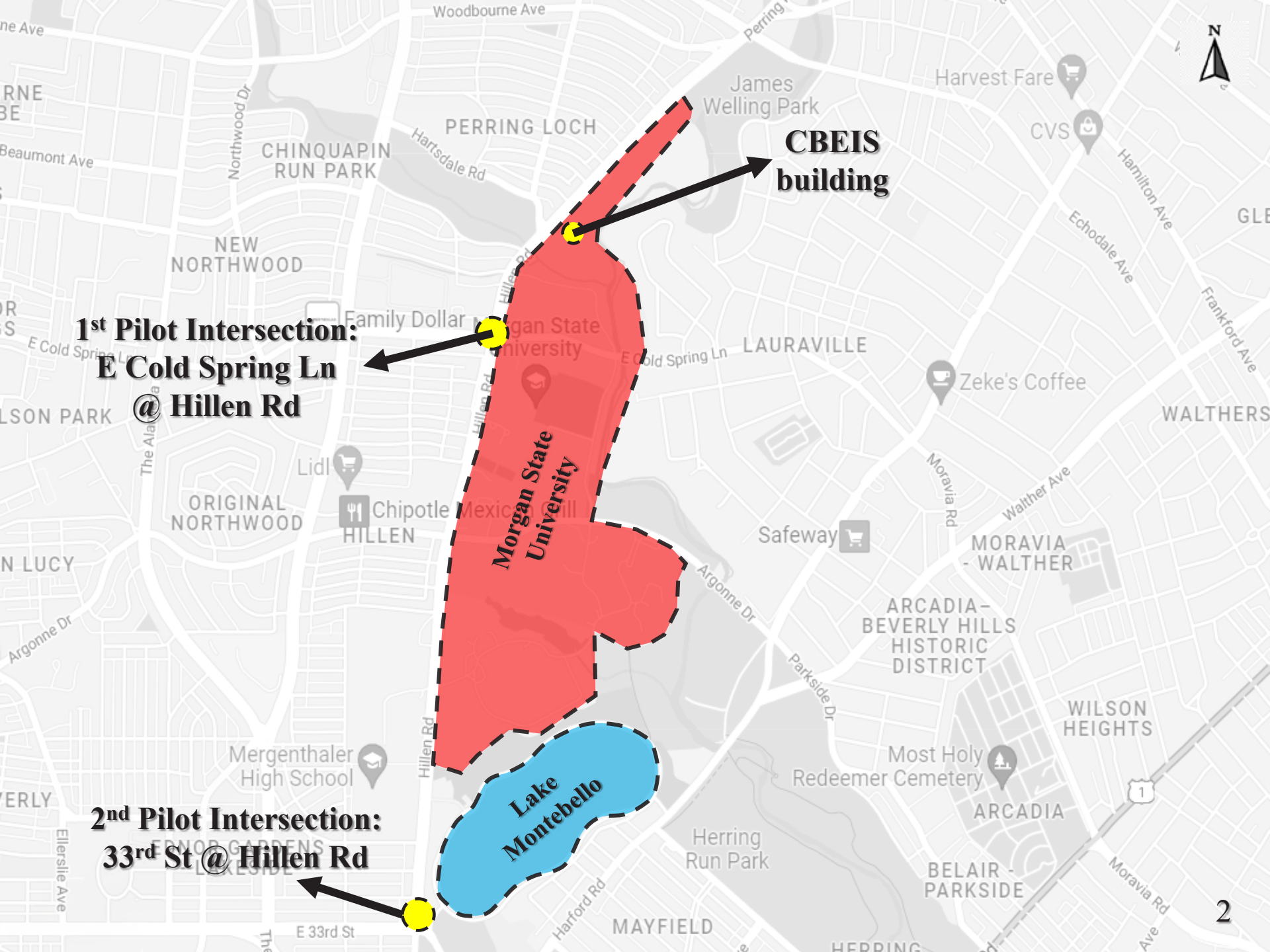


# Morgan State's Mixed Traffic CAV Testbed



**April 2023**



**1<sup>st</sup> Pilot Intersection:  
E Cold Spring Ln  
@ Hillen Rd**

**CBEIS  
building**

**2<sup>nd</sup> Pilot Intersection:  
33<sup>rd</sup> St @ Hillen Rd**

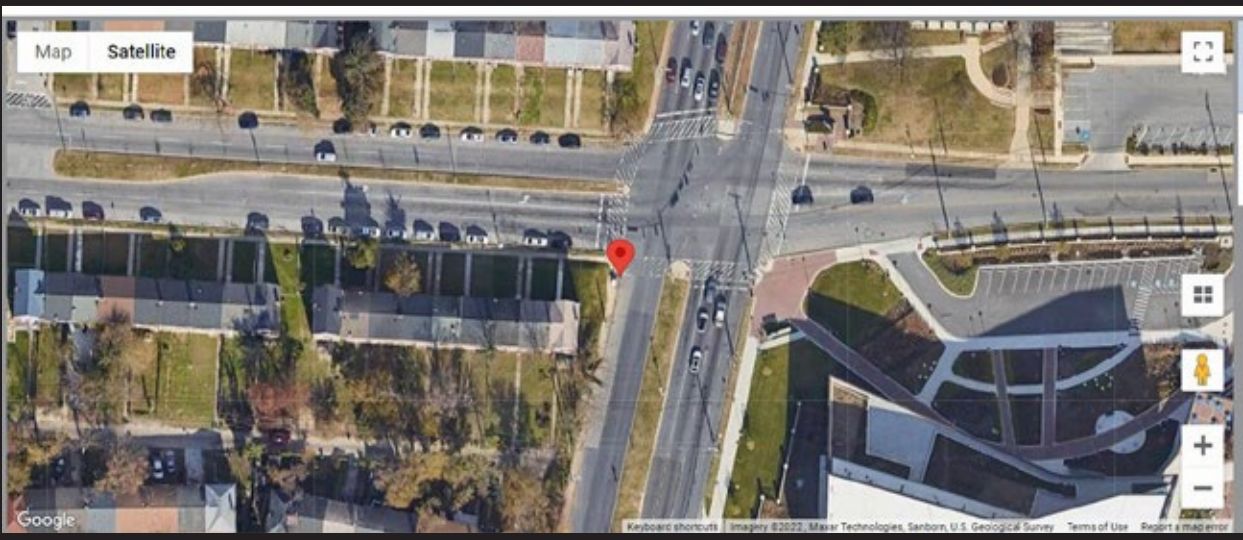
**Morgan State  
University**

**Lake  
Montebello**



- E Cold Spring & Hillen Rd, Baltimore, Maryland, USA  
Active ●  
BCT\_3D\_4G\_0212001
- E 32nd St. and Hillen Rd., Baltimore, Maryland, USA  
Active ●  
BCT\_3D\_4G\_0212002

33<sup>rd</sup>  
Intersection



- E Cold Spring & Hillen Rd, Baltimore, Maryland, USA  
Active ●  
BCT\_3D\_4G\_0212001
- E 32nd St. and Hillen Rd., Baltimore, Maryland, USA  
Active ●  
BCT\_3D\_4G\_0212002

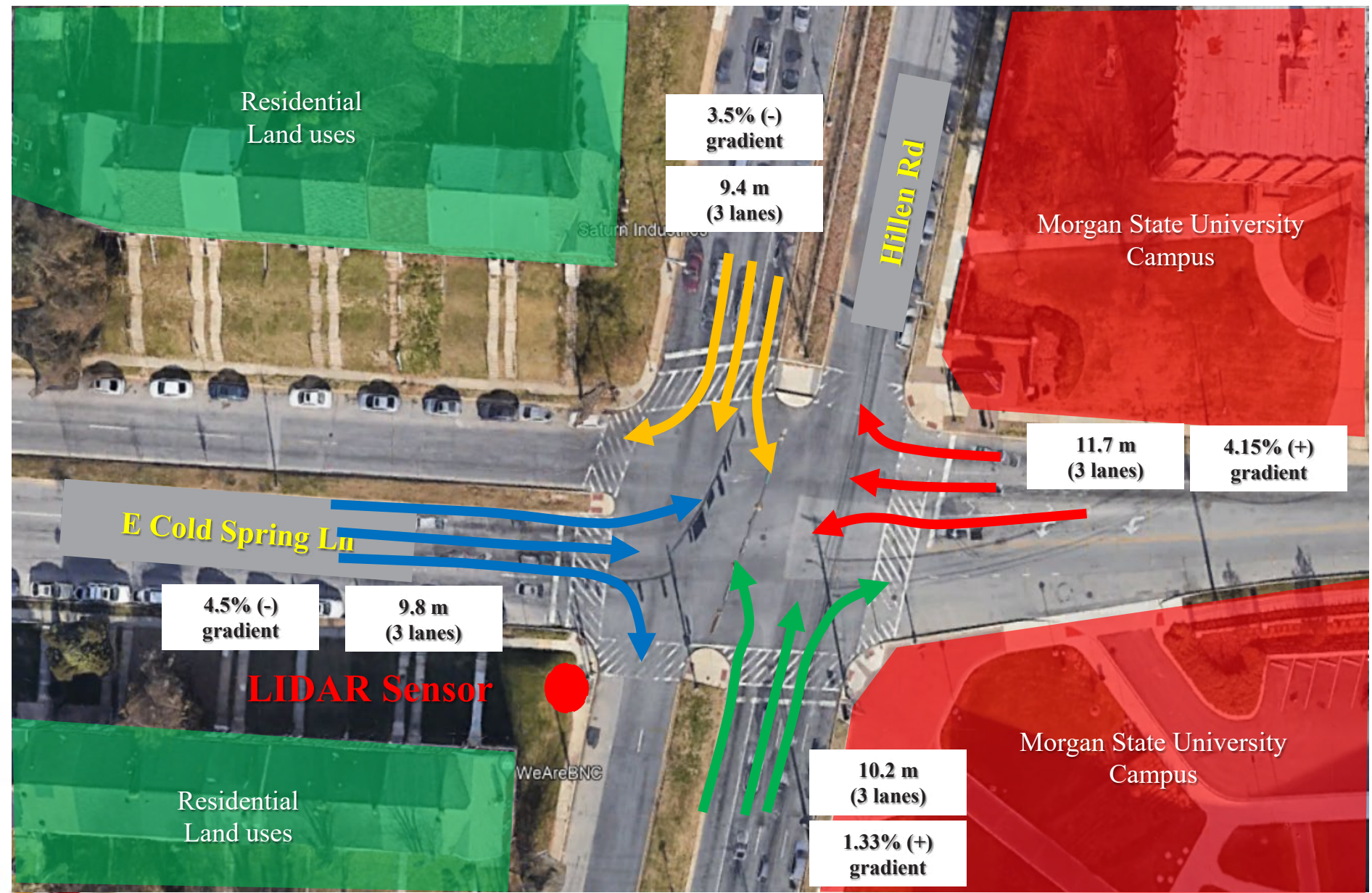
Hillen Rd. & E  
Cold Spring  
Intersection



# LIDAR Sensor, RSU, & CCTV Installation



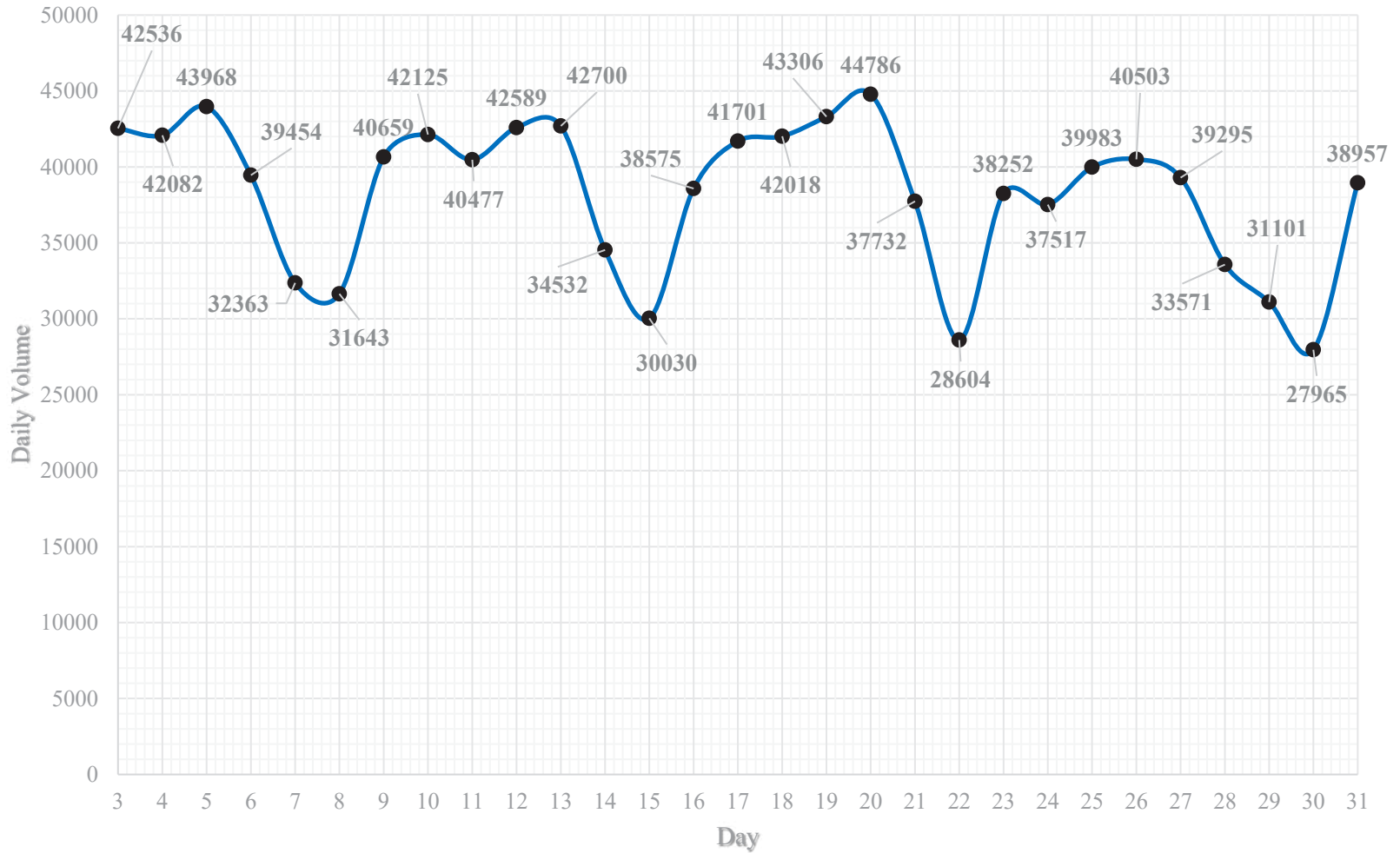
# Land-Use & Geometry of Intersection





# Traffic Counts by LIDAR

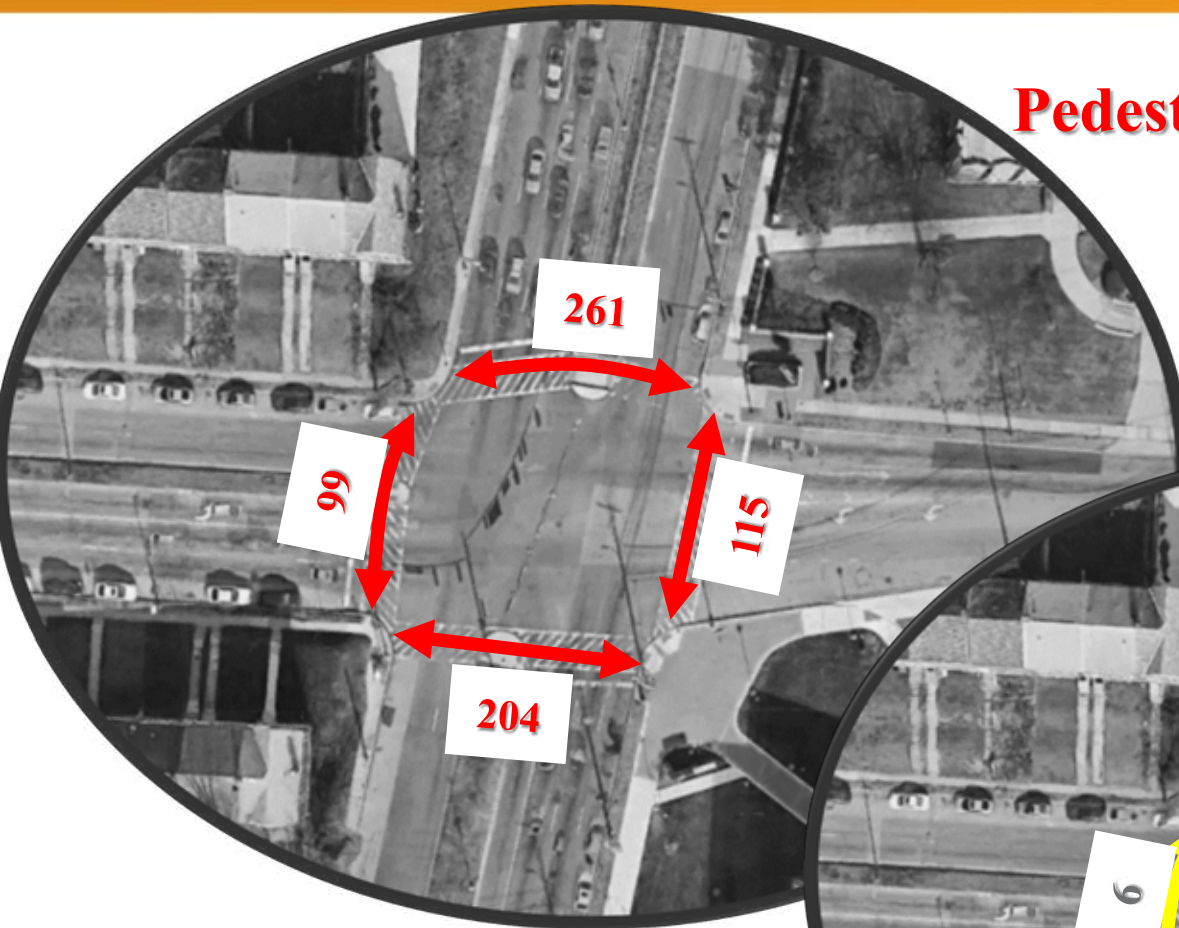
## ADT chart in May 2022



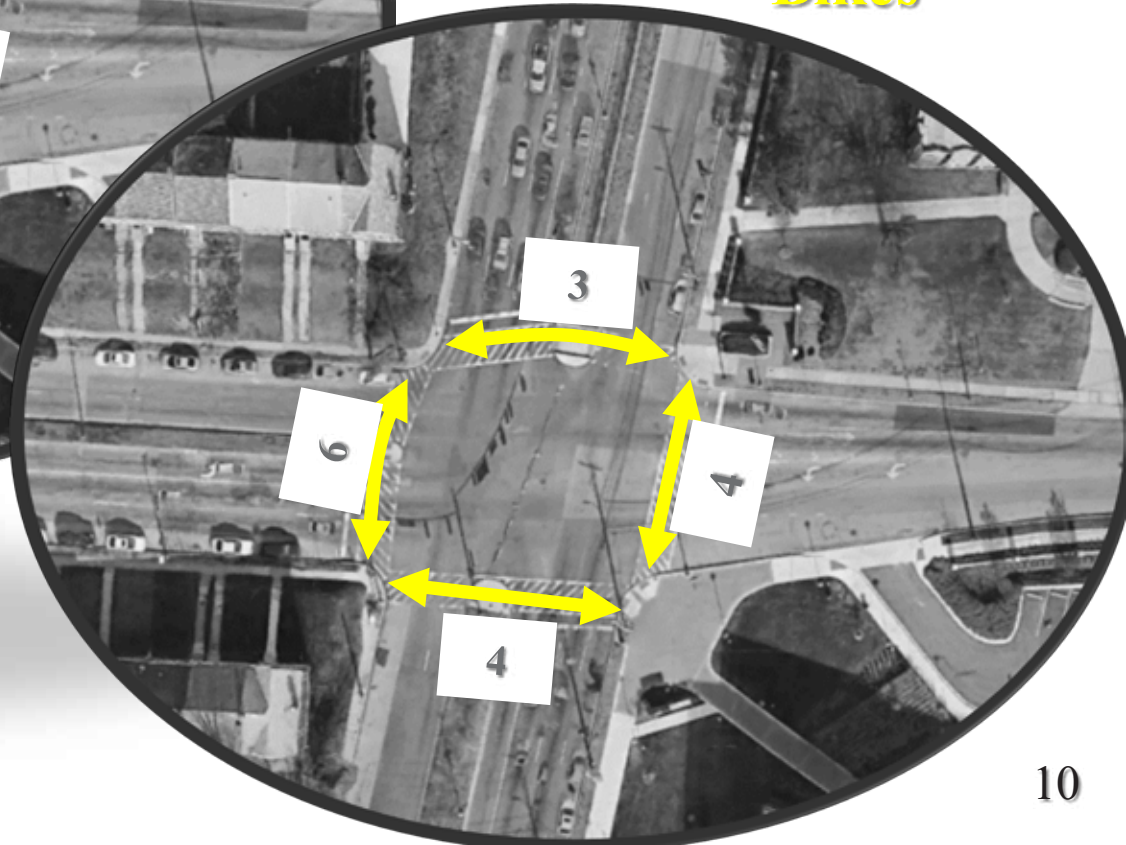
**Average Weekday ADT: 41,000**

# Non-Motorized ADT

**Pedestrians**



**Bikes**



# Frequency and Severity of vehicle-pedestrian conflicts (May to August 2022)

