

CITY OF PHILADELPHIA

**otis**

MOVING PHILADELPHIA

**STATE ROAD REPAVING & SAFETY PROJECT  
NEIGHBORHOOD ADVISORY COMMITTEE MEETING  
FEBRUARY 10, 2020**



City of  
**Philadelphia**



## AGENDA

- Safety Data & Upcoming Paving
- Why State Road is Important
- What the Road Looks Like Today
- **Neighbor Concerns**
- Proposal for Safety Improvements
- Next Steps





## WHAT IS VISION ZERO?

- A policy that states clearly that traffic deaths are preventable and unacceptable.
- CORE PRINCIPLES:
  - Human life takes priority over mobility;
  - Human error is inevitable and unpredictable;
  - People are inherently vulnerable and speed is a fundamental predictor of crash survival;
  - Safe design behaviors, education, and enforcement are essential contributors to a safe system.



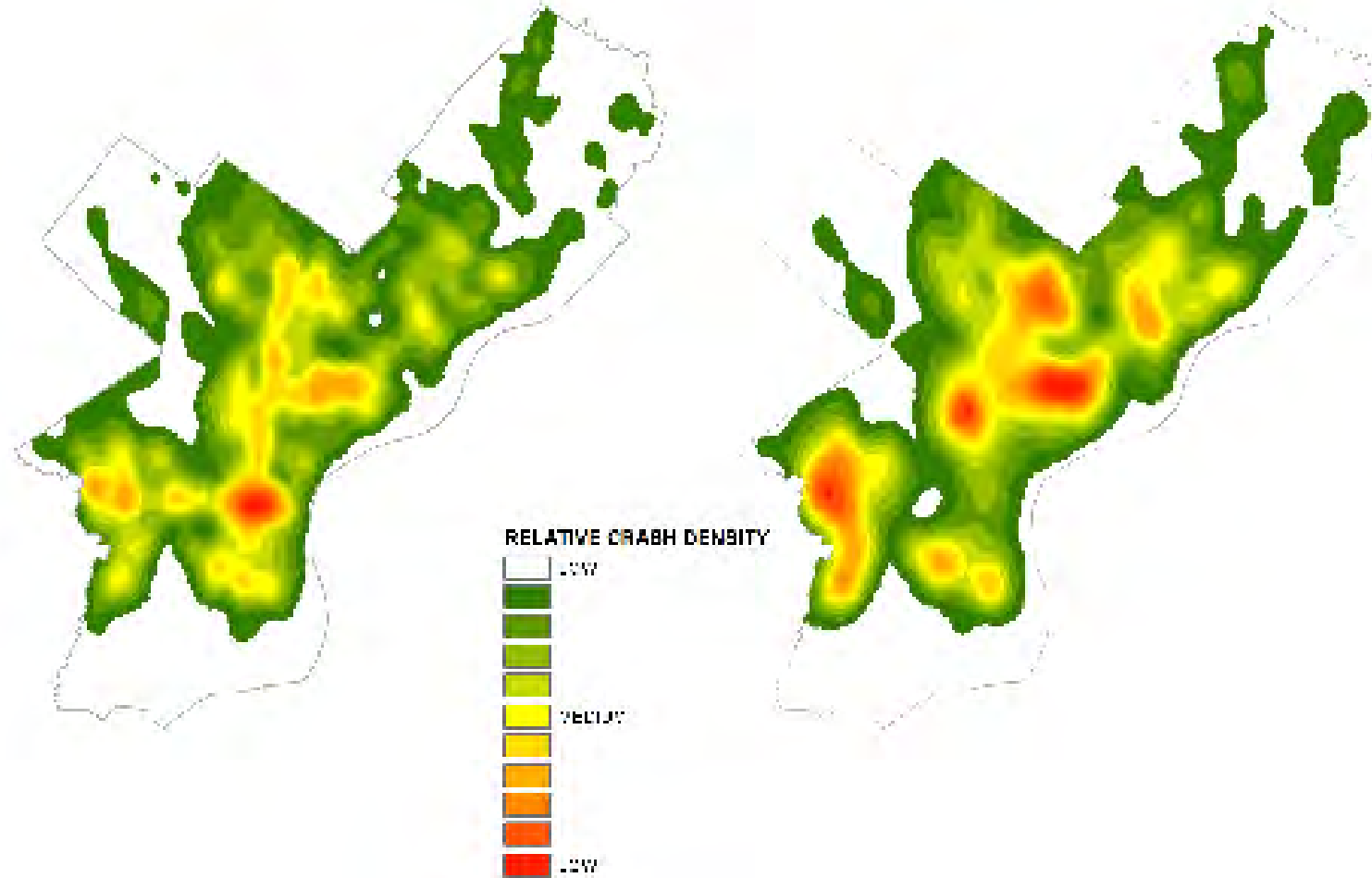


## WHY IS VISION ZERO IMPORTANT IN PHILADELPHIA?

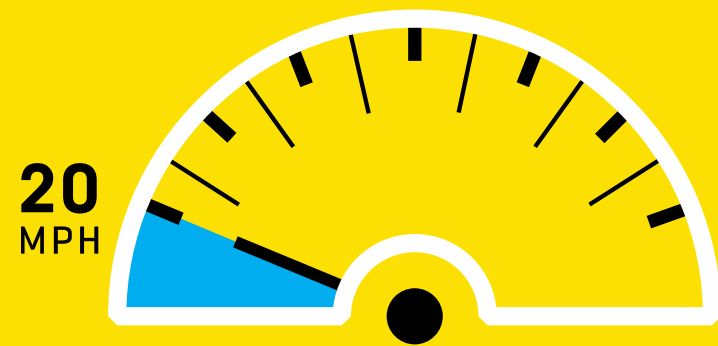
- Traffic crashes do not impact Philadelphians the same.

Pedestrian crashes (>18years)

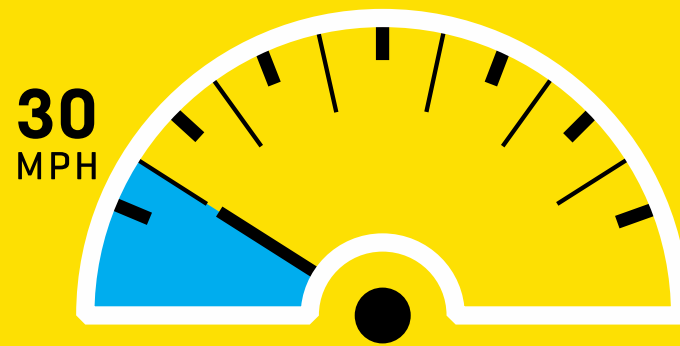
Pedestrian crashes (<18years)



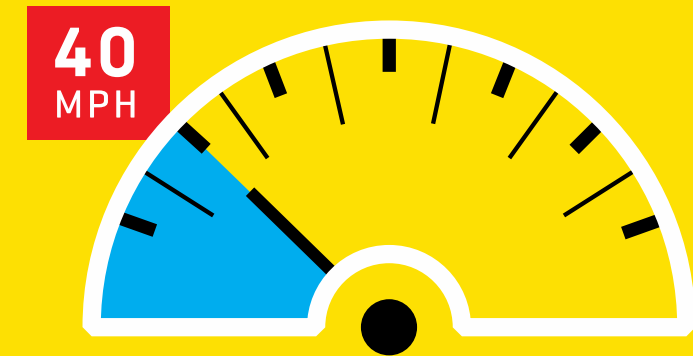
# WHEN A PERSON IS HIT BY A DRIVER AT...



**1** OUT OF **10** DIE



**5** OUT OF **10** DIE



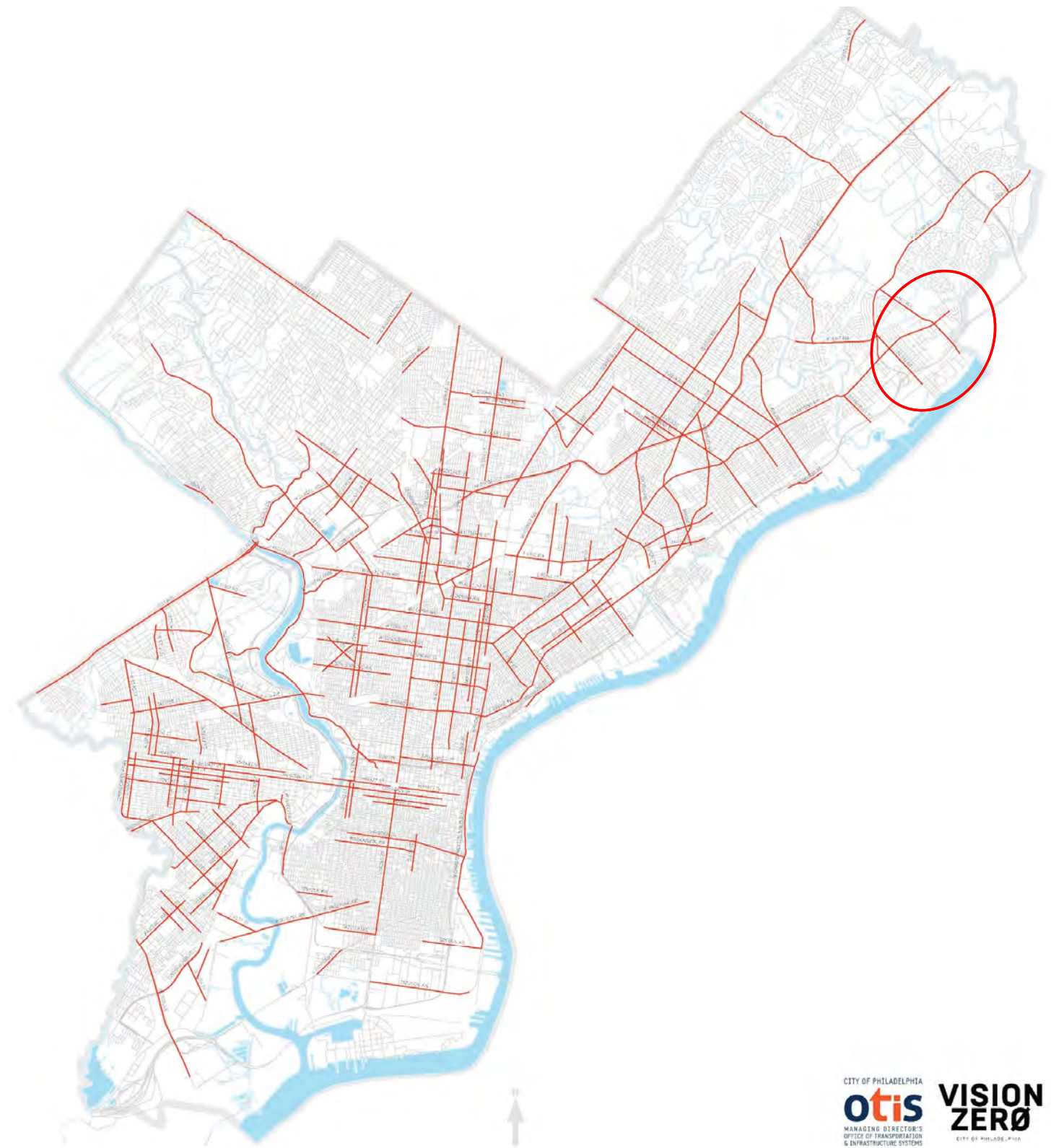
**9** OUT OF **10** DIE

*Slowing down saves lives.*

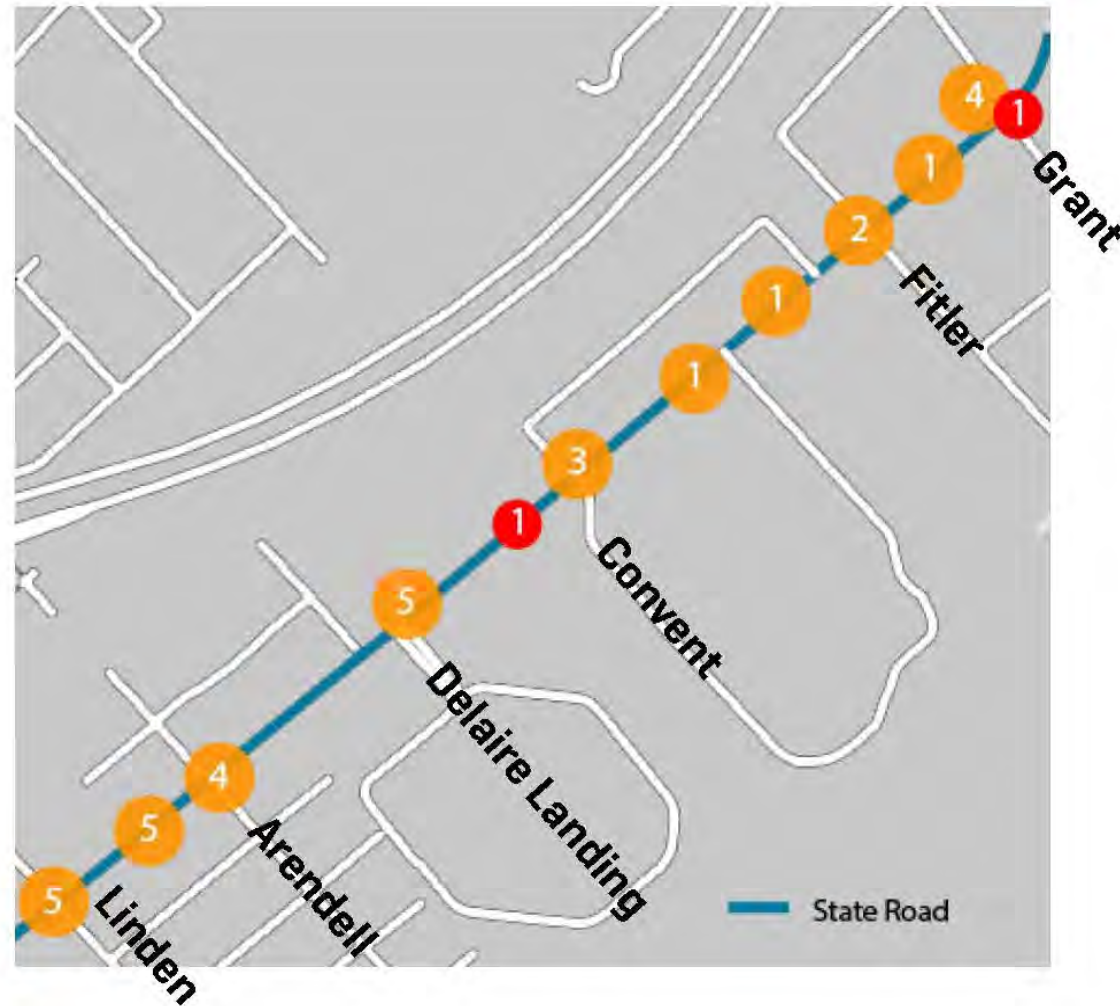


## HIGH INJURY NETWORK

- 50% of Killed/Serious Injury Crashes on 12% of Streets
- Many High Injury Network intersections Adjacent or Nearby:
  - State & Grant
  - State & Linden
  - State & Ashburner



## STATE ROAD: LINDEN – GRANT CRASH DATA



### CRASHES ON STATE ROAD

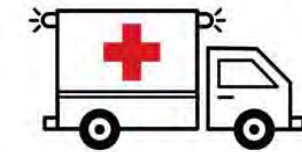
On State Road between 2014 to 2018, there were **48 reported crashes**.

#### 32 PEOPLE INJURED



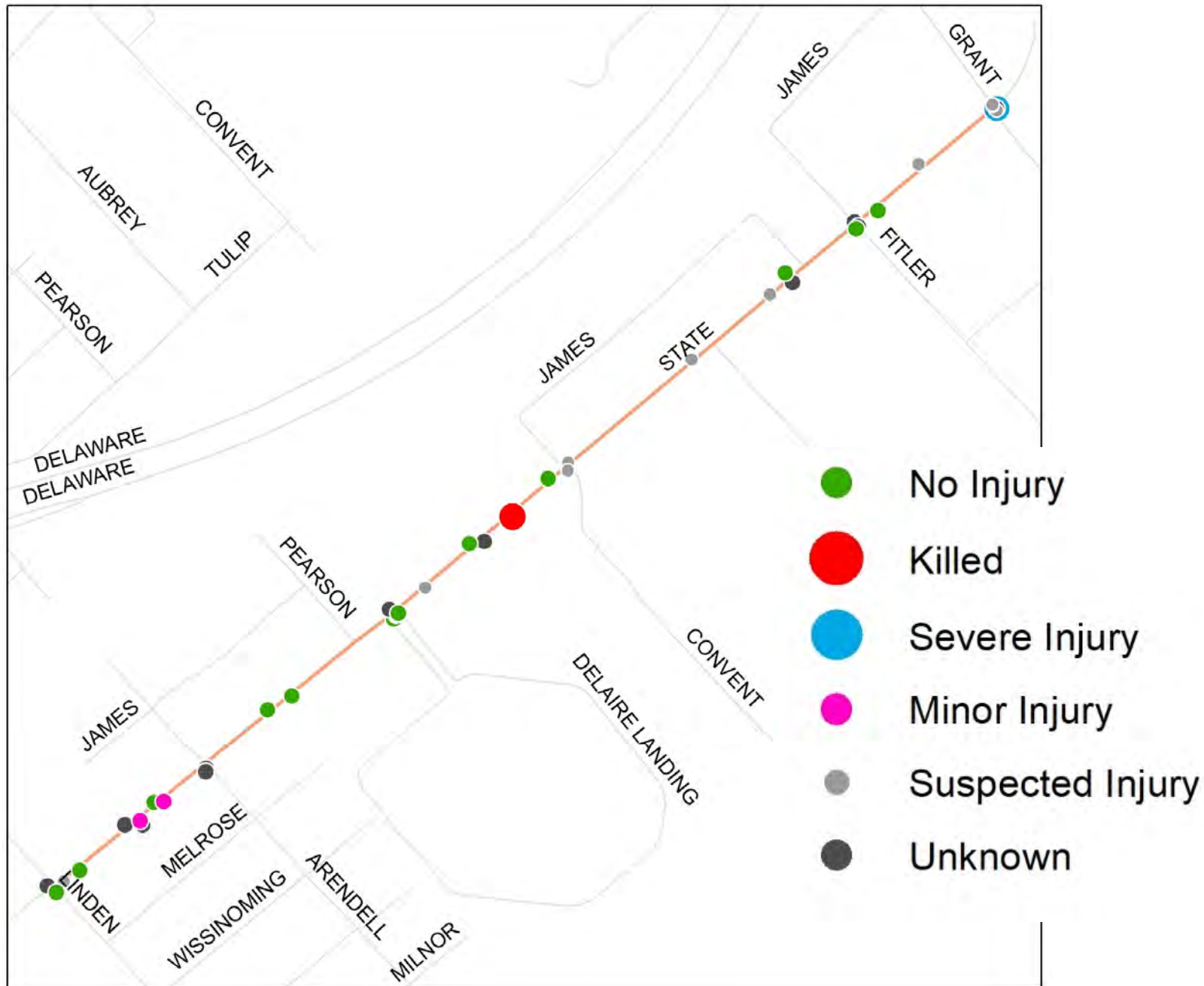
in traffic crashes on State Road since 2014.

#### 1 PERSON KILLED



in traffic crashes on State Road since 2014.

## STATE ROAD: LINDEN – GRANT CRASH DETAILS



### CRASHES ON STATE ROAD

On State Road between 2014 to 2018, there were **48 reported crashes**.

#### 32 PEOPLE INJURED



in traffic crashes on State Road since 2014.

#### 1 PERSON KILLED



in traffic crashes on State Road since 2014.





# TOOLBOX: PAVING AND MARKINGS

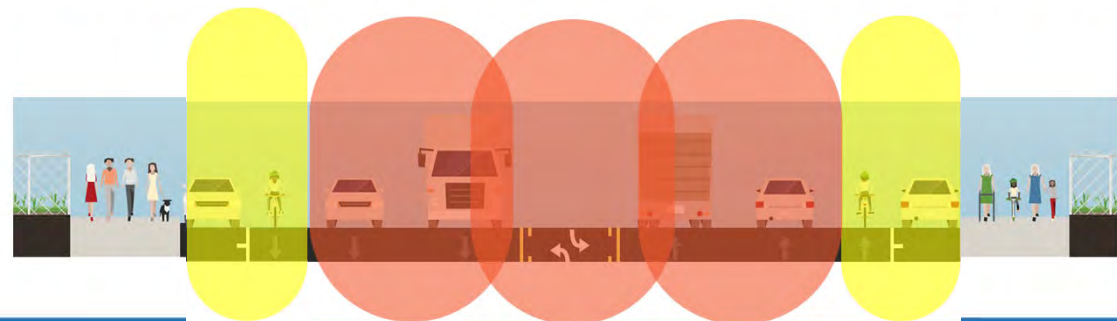
Change the street layout



New lane lines and crosswalks



Painted areas to channelize





# TOOLBOX: TRAFFIC CONTROL

Pedestrian crossing signals



Left turn control & vertical posts





## STATE ROAD IS IMPORTANT

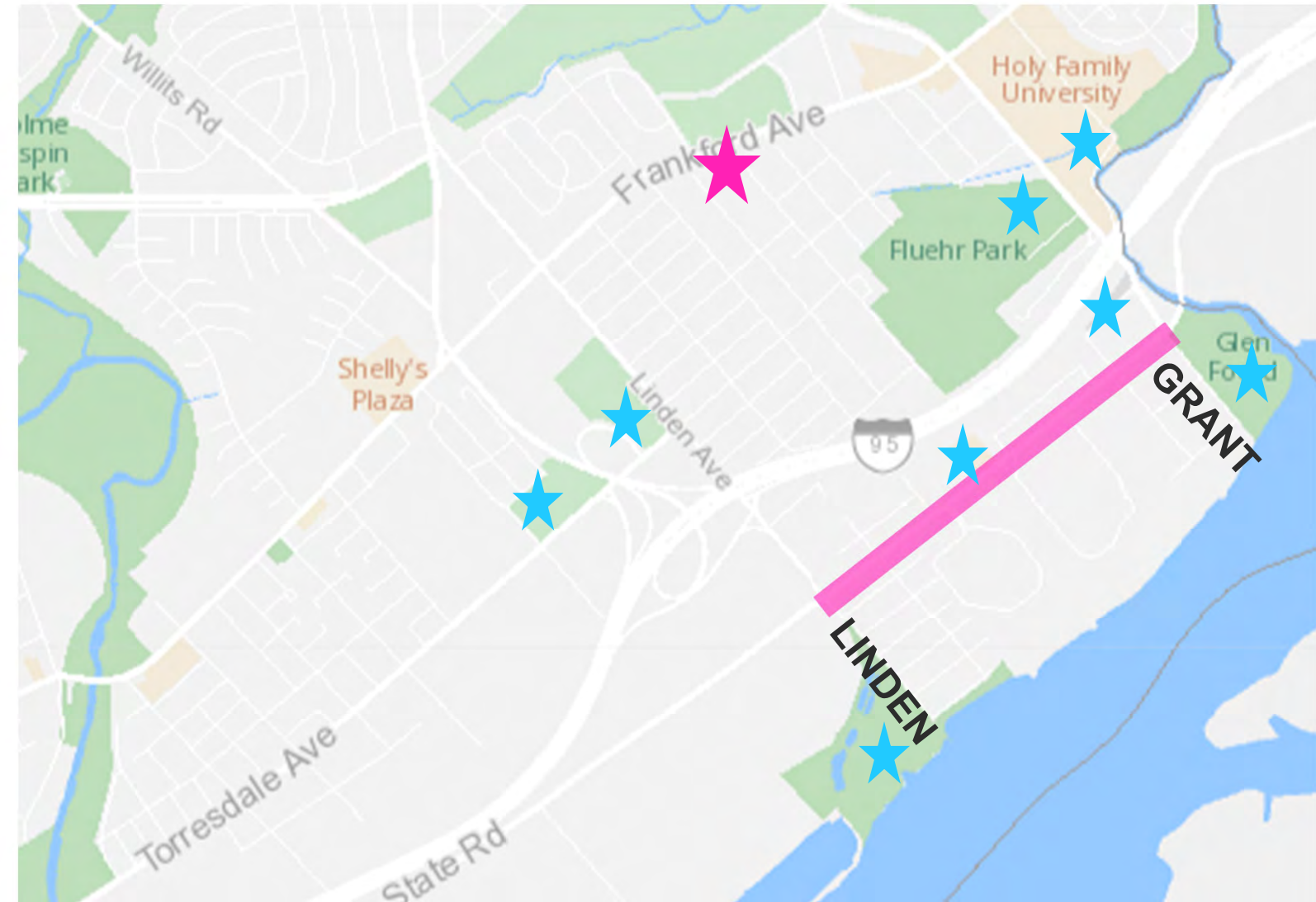
- Neighborhood area on otherwise fast road





## STATE ROAD IS IMPORTANT

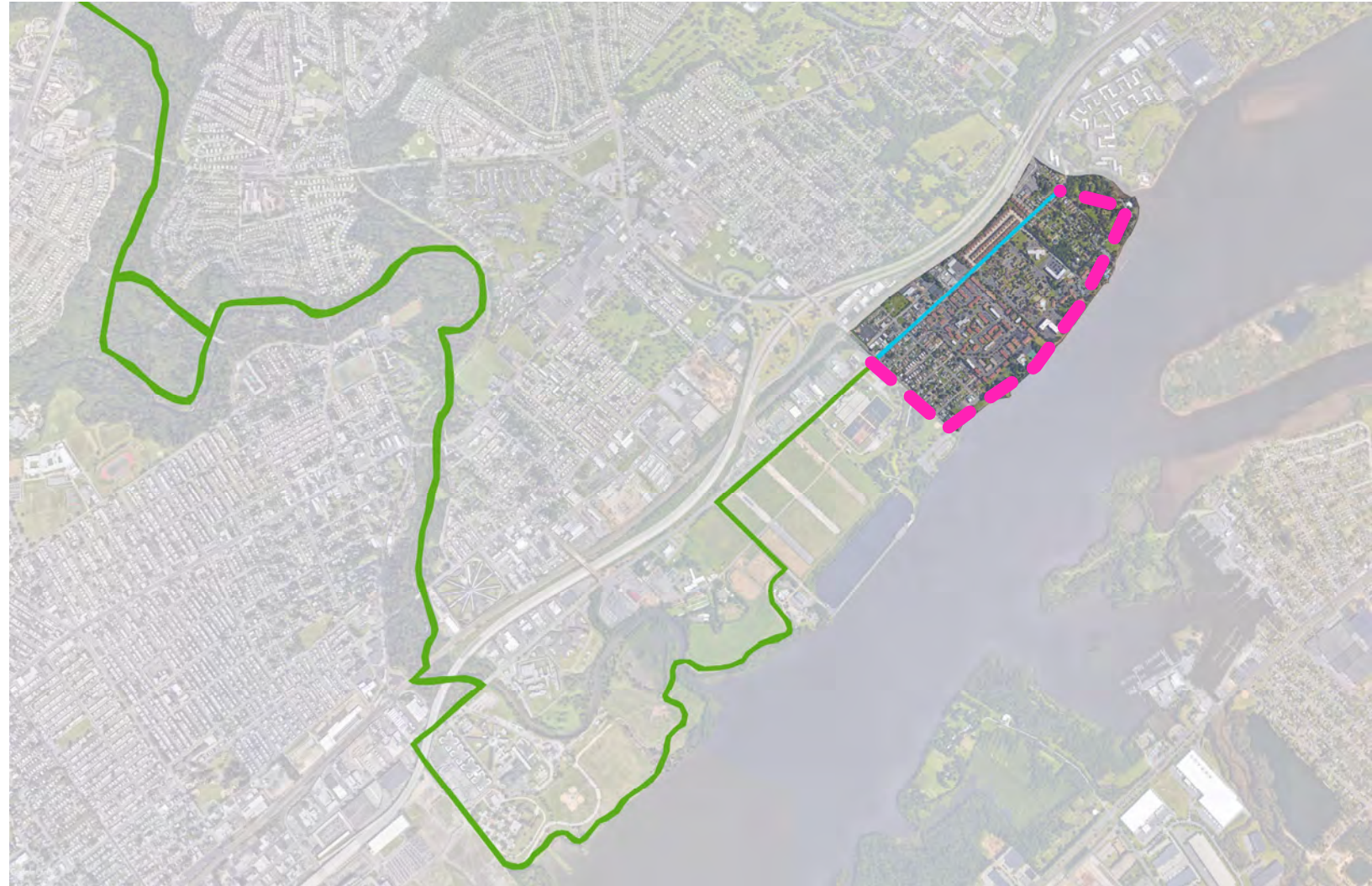
- Neighborhood link on otherwise fast road
- Close parks, train station, and other destinations





## STATE ROAD IS IMPORTANT

- Neighborhood link on otherwise fast road
- Close to a park, train station, and other destinations
- Link in the local and regional trail network





# STATE ROAD IS IMPORTANT

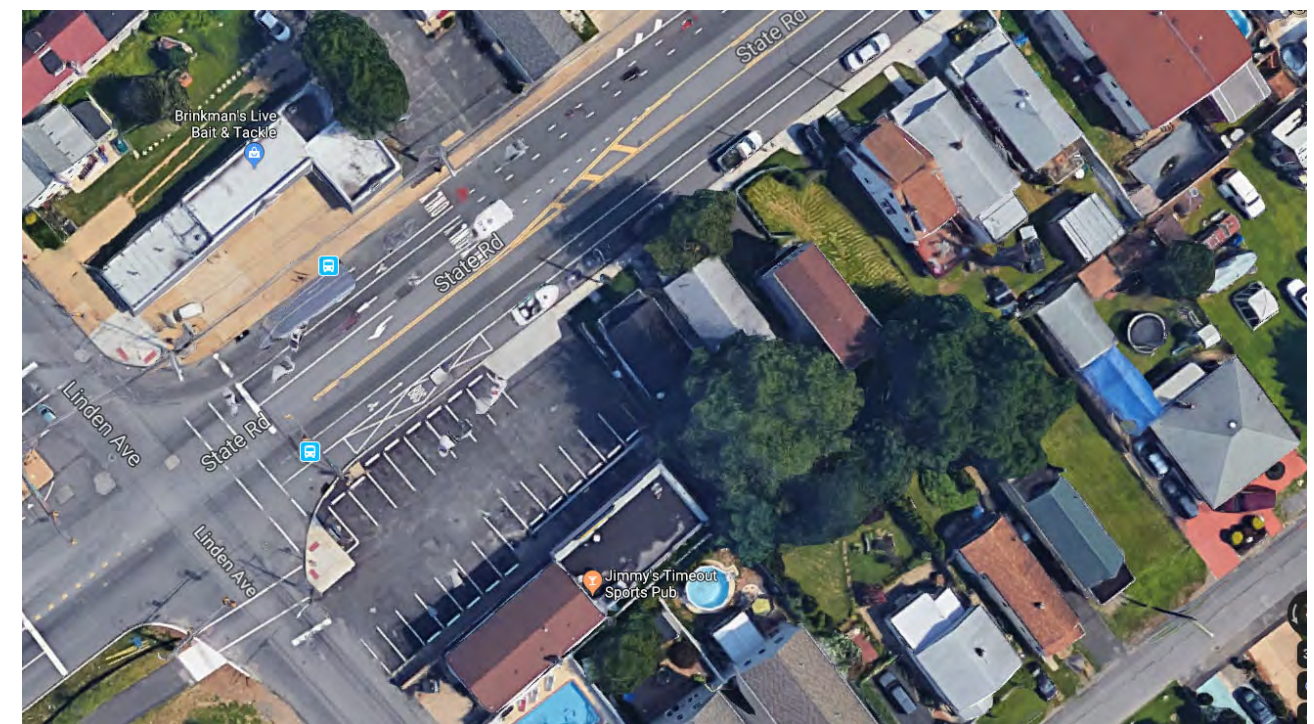
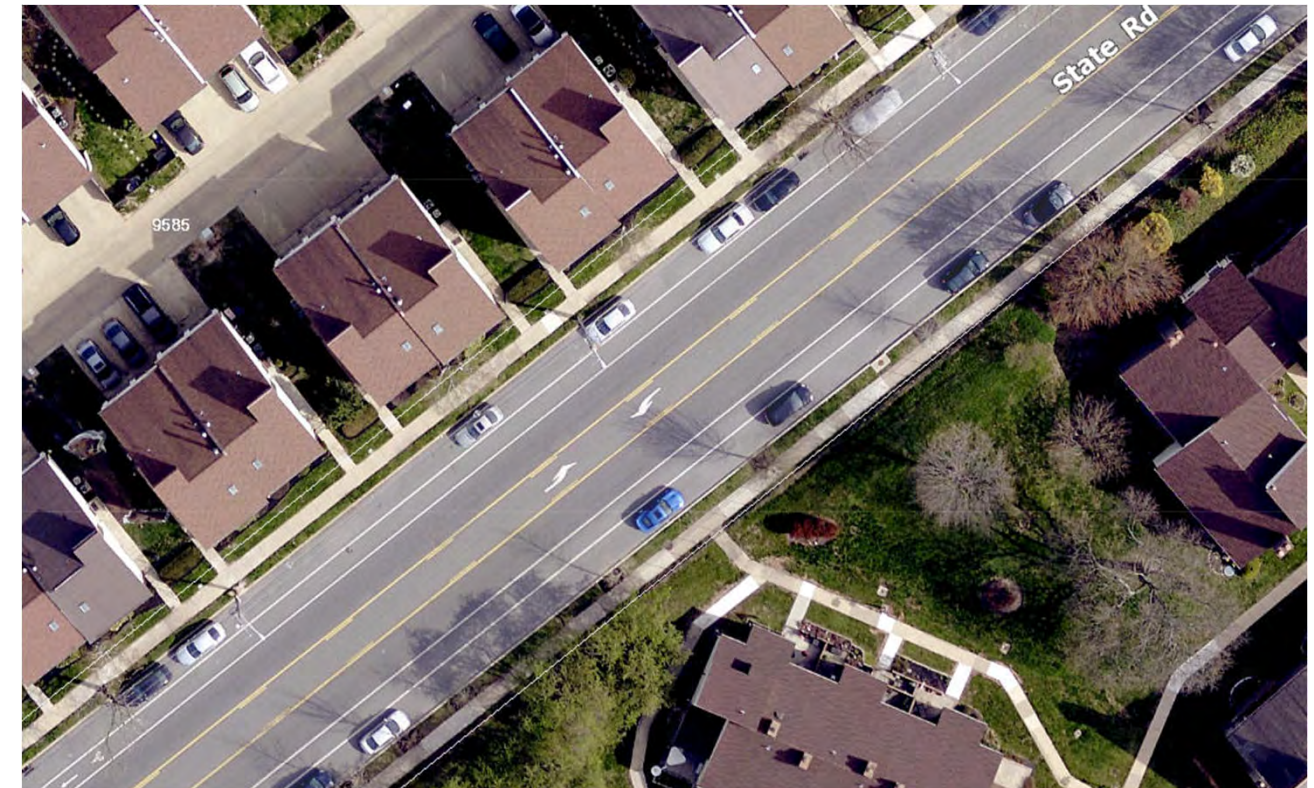
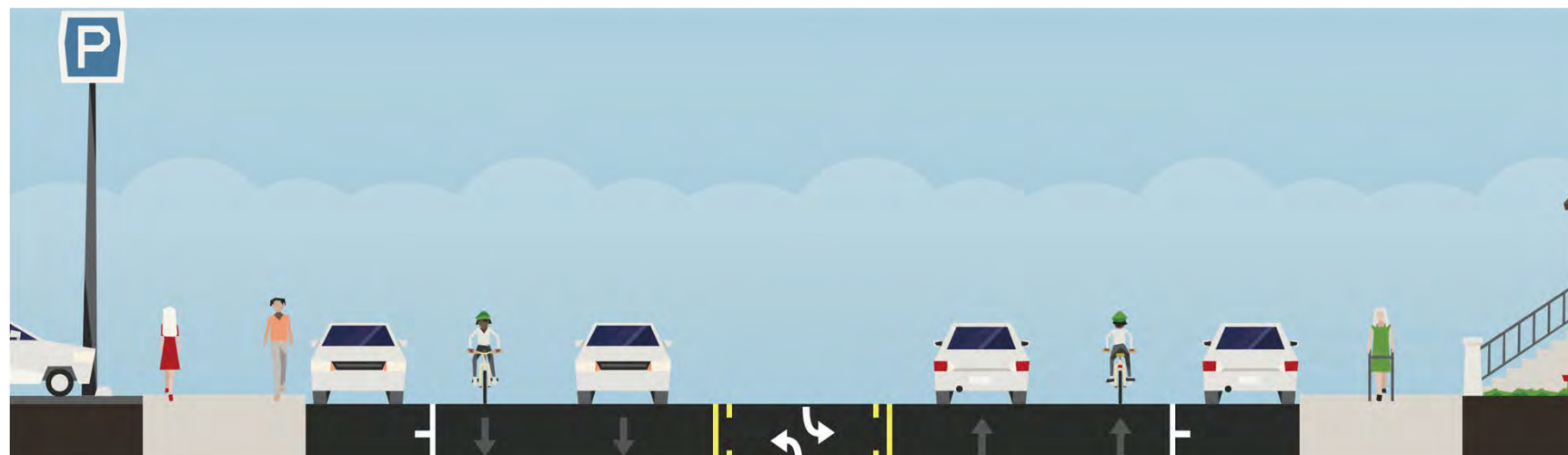




# LINDEN - GRANT

## Existing Conditions

- Bike lanes on each side
- Parking lane on each side
- One vehicle lane in each direction
- Parking lane not fully used in some sections



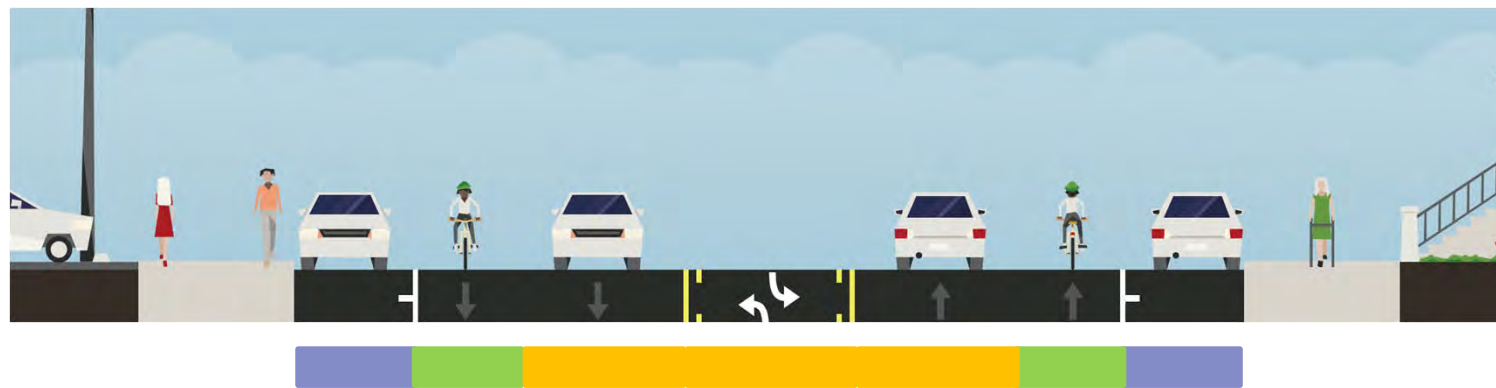


# LINDEN - GRANT

## Proposed Conditions

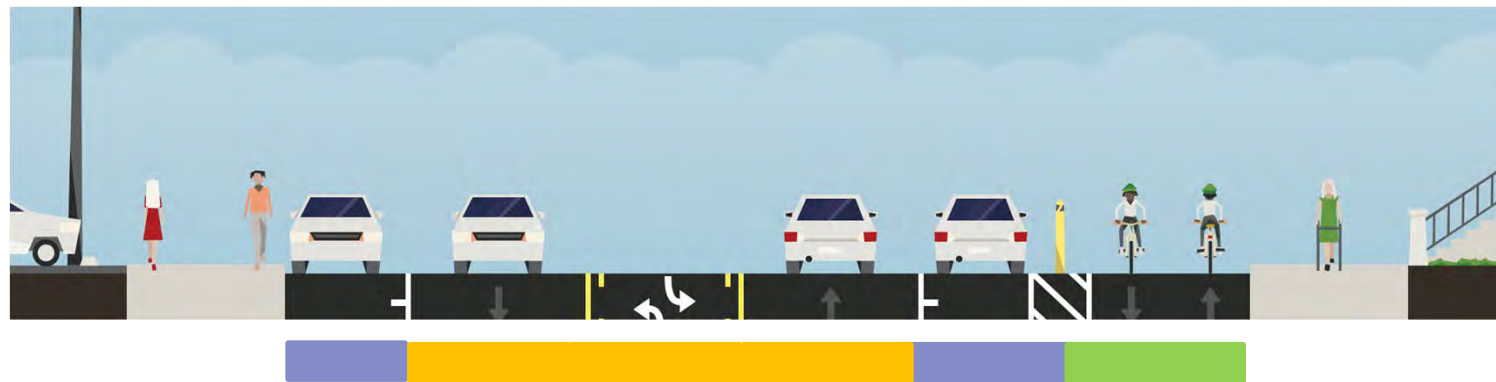
- Move south-bound bicycle lane to the E side of the street
- Add two-way protected bikeway on E side of street

Today



- Parking
- Bike
- Vehicle
- Bike
- Parking

Proposed



- Parking
- Vehicle
- Parking
- Bike







# LINDEN - GRANT

## Proposed Conditions

- Remove south-bound bicycle lane
- Add two-way protected bikeway on E side of Street



Proposed



- Parking
- Vehicle
- Parking
- Bike





## NEIGHBOR CONCERNS

- Common Desires
  - Safety for all roadway users
  - Slow down cars in residential area
- Buses
  - Make sure buses can safely serve passengers
- Delaire Landing Turn Lane
  - Maintain Right Turn Lane and Left Turn Signal
- Parking
  - Prevent all-day train passenger parking on W side
  - Maximize on-street parking for residents on E side
  - Prevent truck parking/storage on the corridor

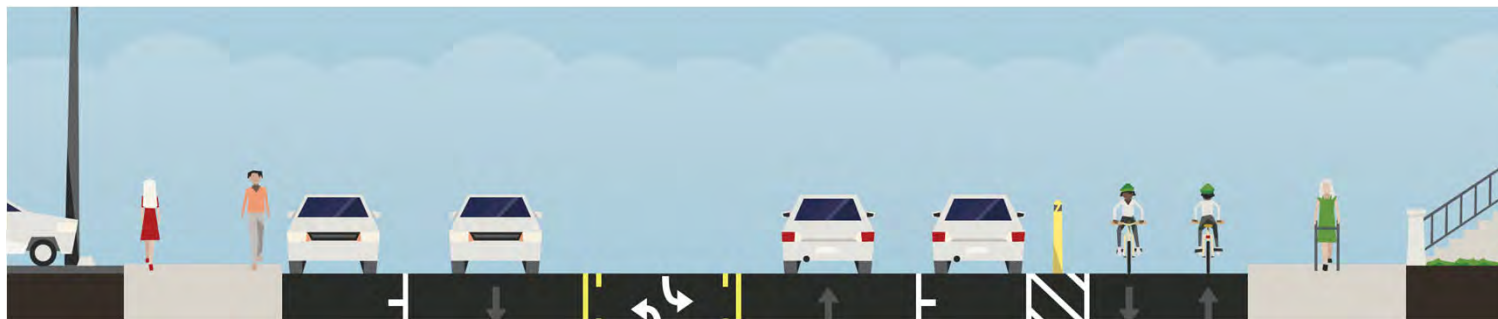
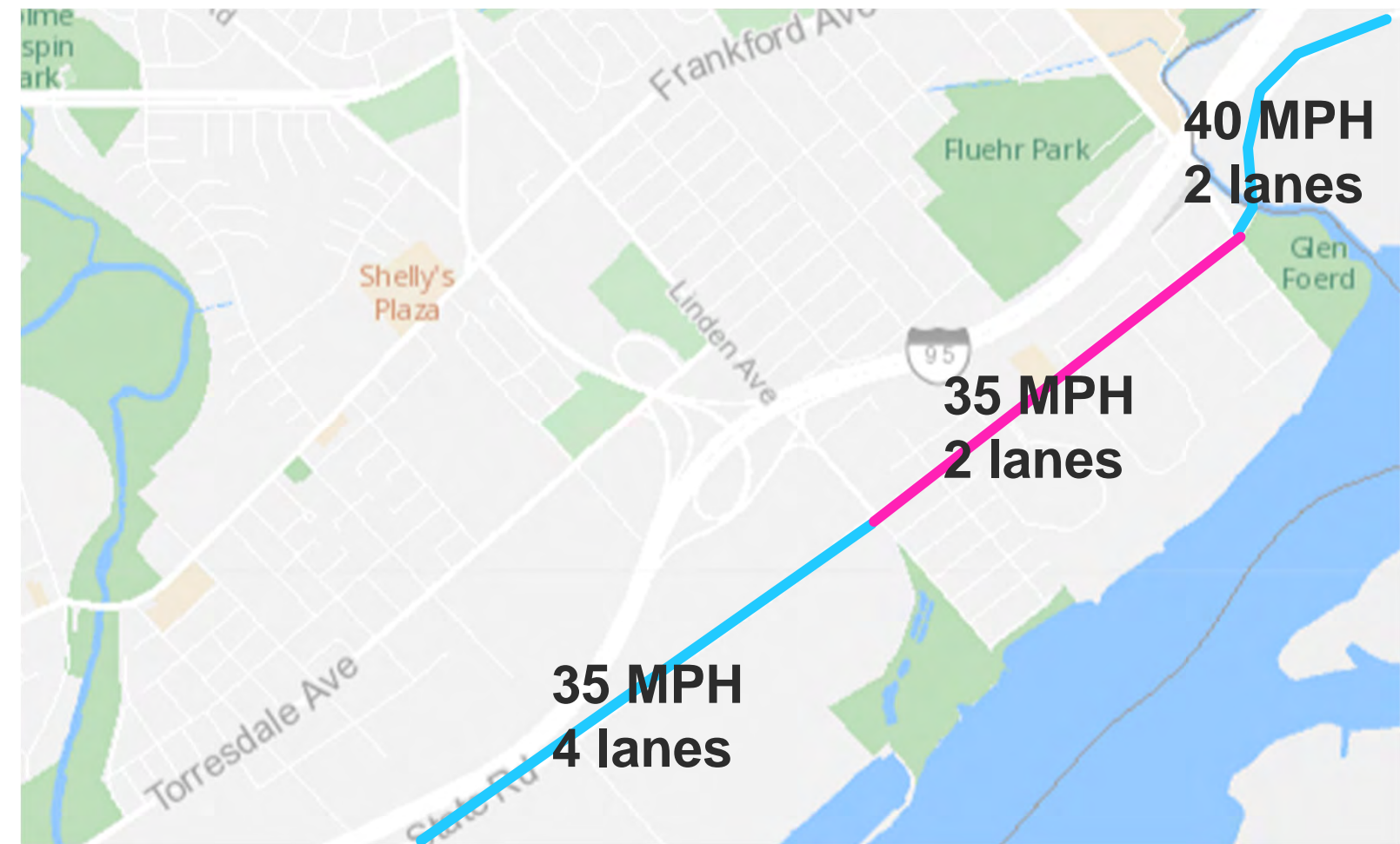




# NEIGHBOR CONCERNS

- Common Desires
  - Safety for all roadway users
  - Slow down cars in residential area

- Parking
- Vehicle
- Parking
- Bike

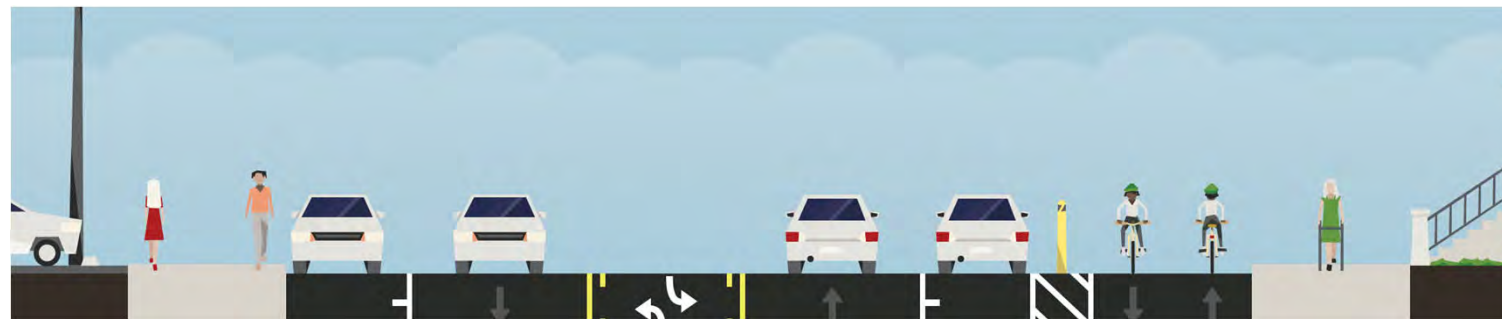




# NEIGHBOR CONCERNS

- Common Desires
  - Safety for all roadway users
  - Slow down cars in residential area

- Parking
- Vehicle
- Parking
- Bike





## NEIGHBOR CONCERNS

- **Buses**
  - Make sure buses can safely serve passengers
- **Route 84 Bus**
  - Low ridership route
- **Route 84 Ridership (both sides), 12 stops**
  - Av Weekday boarding: 97/day
  - Av Weekday leaving: 110/day





# NEIGHBOR CONCERNS

## ■ Buses

- Make sure buses can safely serve passengers

22<sup>nd</sup> & Hamilton Streets

Routes 7 & 48 Busses:

Average Weekday boarding: 92

Average Weekday alighting: 146



27<sup>th</sup> & South Streets

Route 40 Bus:

Average Weekday boarding: 92

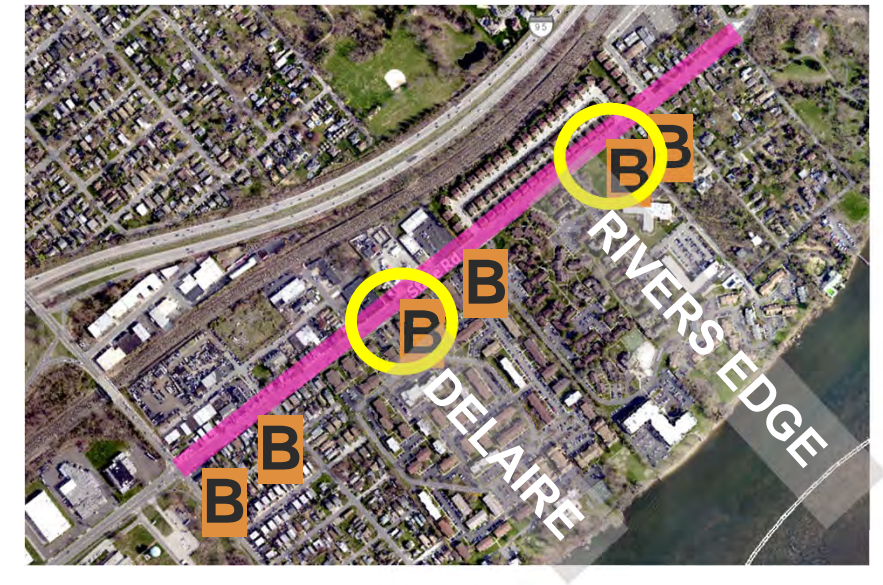
Average Weekday alighting: 146





# NEIGHBOR CONCERNS

- **Buses**
  - Make sure buses can safely serve passengers





# NEIGHBOR CONCERNS

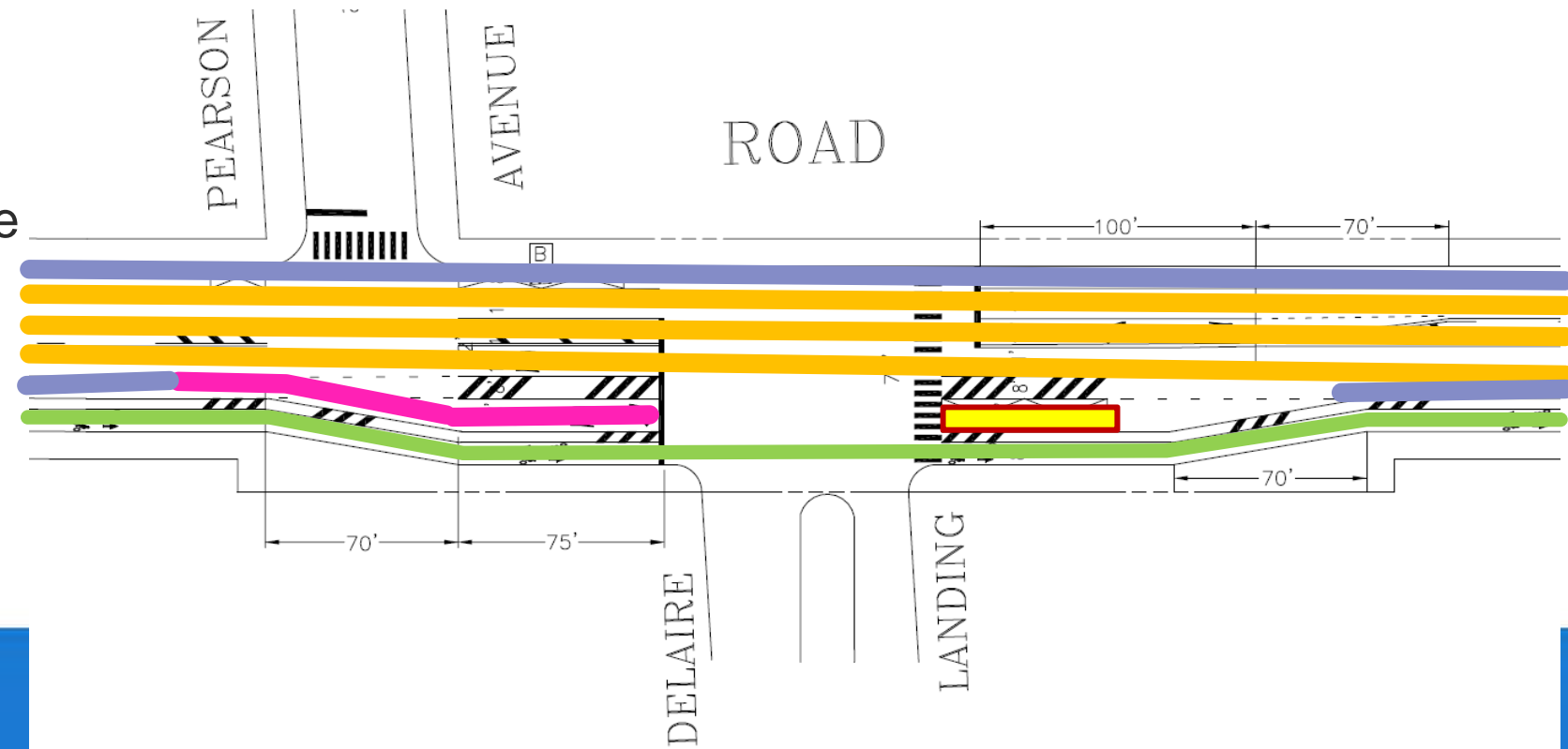
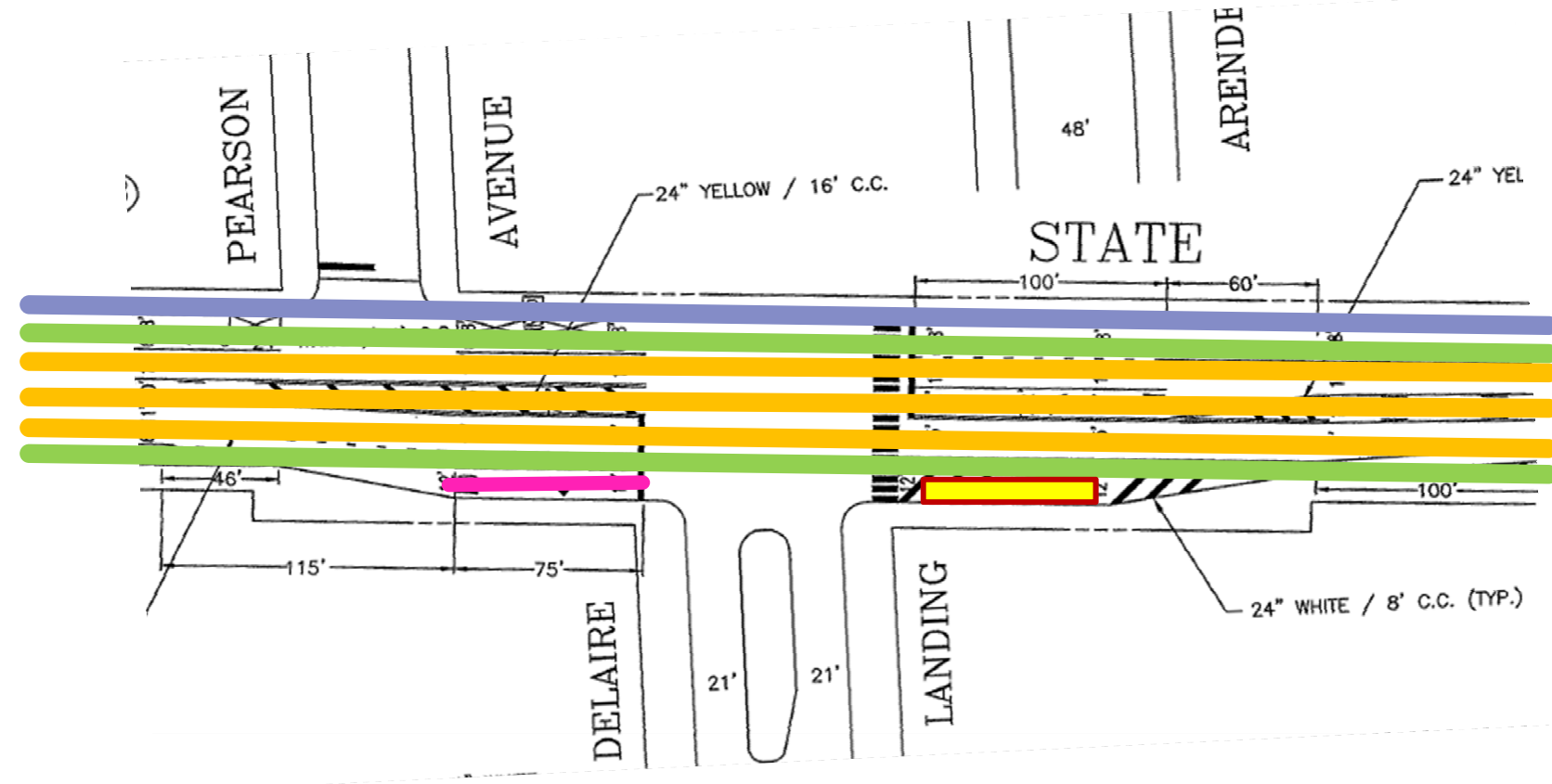
## ■ Delaire Landing Turn Lane

- Maintain Right Turn Lane
- Maintain Left Turn Signal

**TODAY**

- Parking
- Bike
- Vehicle
- Bike
- Parking
- Bus Stop
- Turn Lane

**OPTION A**







# NEIGHBOR CONCERNS

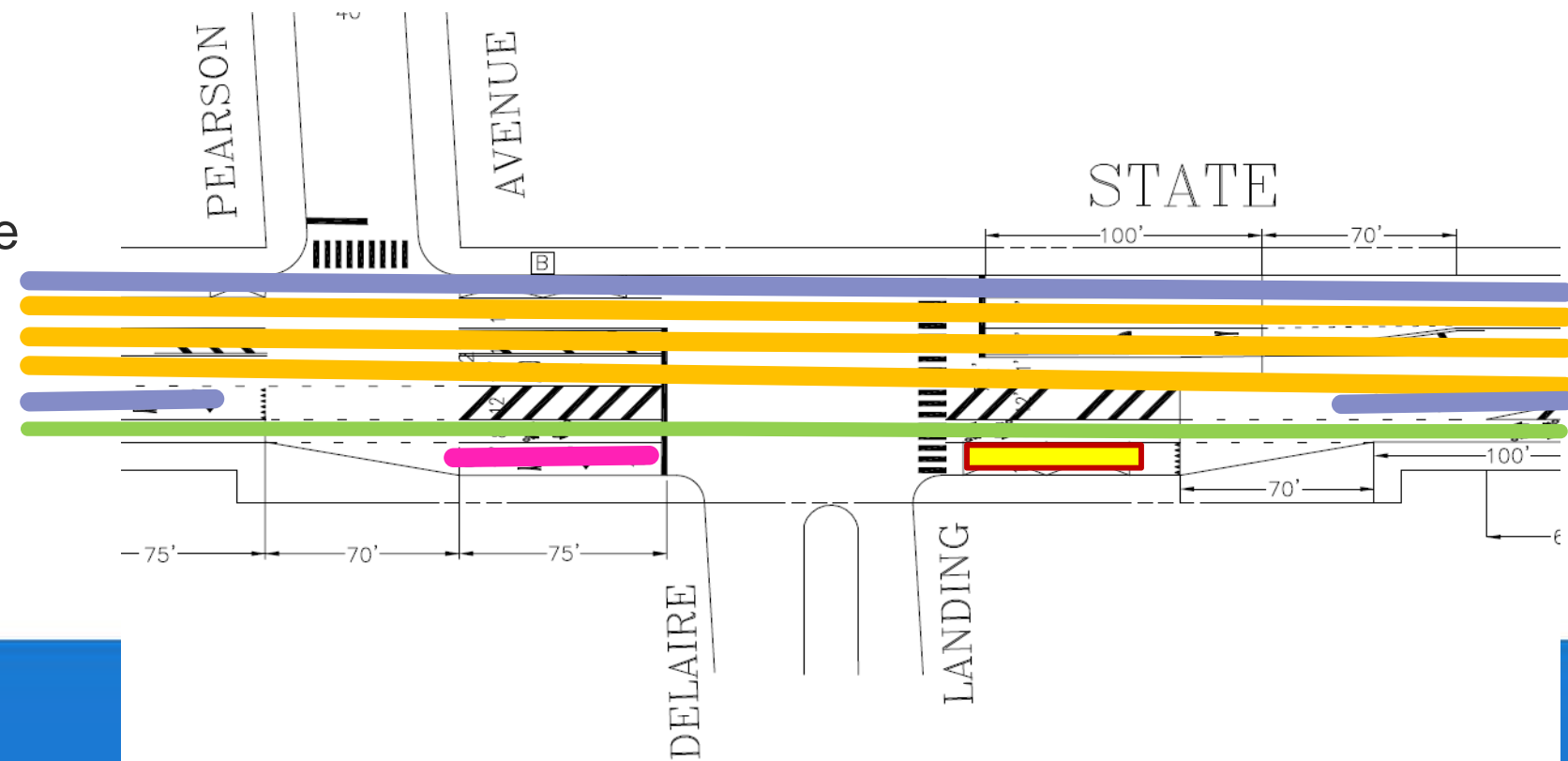
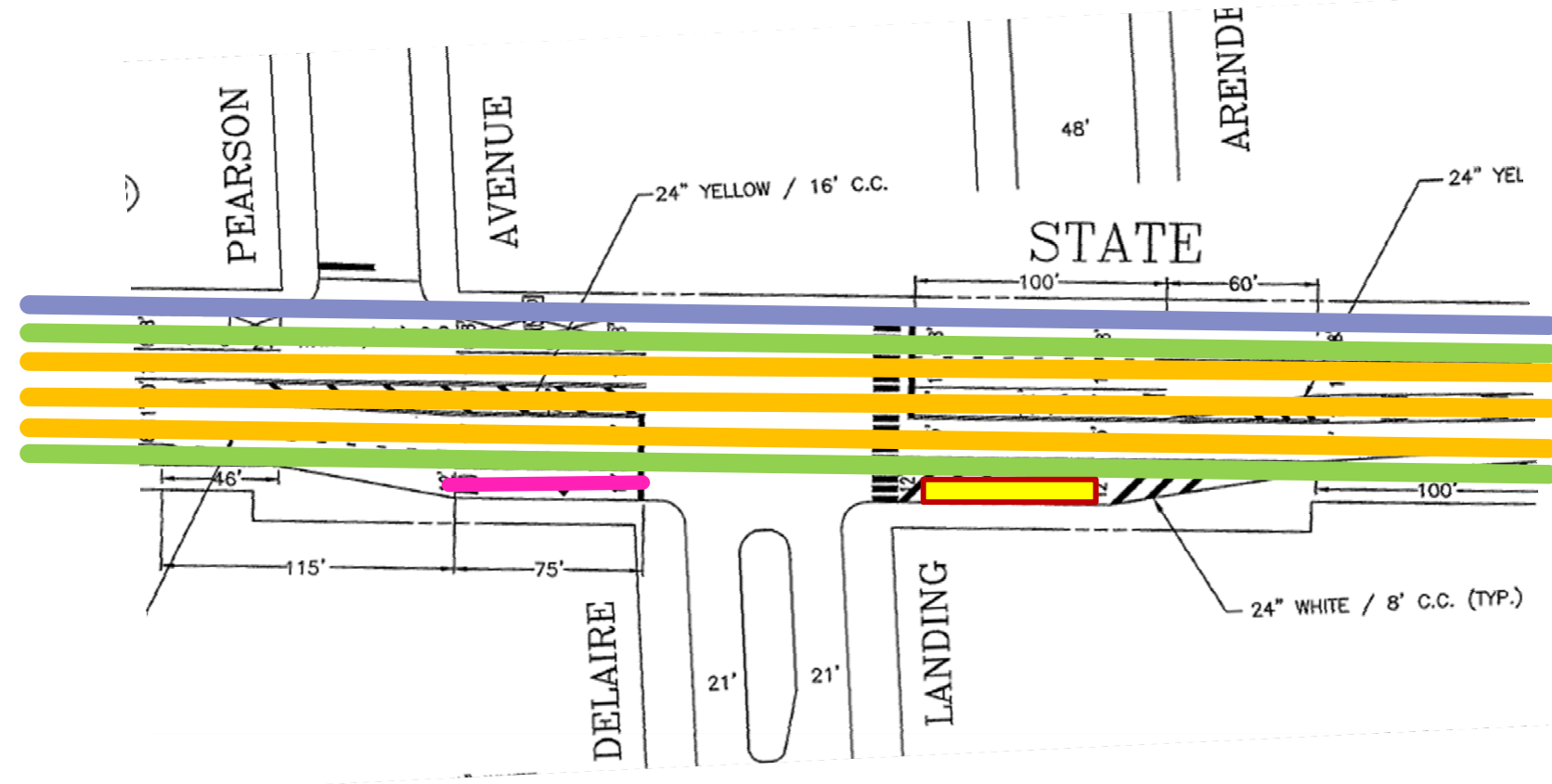
## ■ Delaire Landing Turn Lane

- Maintain Right Turn Lane
- Maintain Left Turn Signal

**TODAY**

- Parking
- Bike
- Vehicle
- Bike
- Parking
- Bus Stop
- Turn Lane

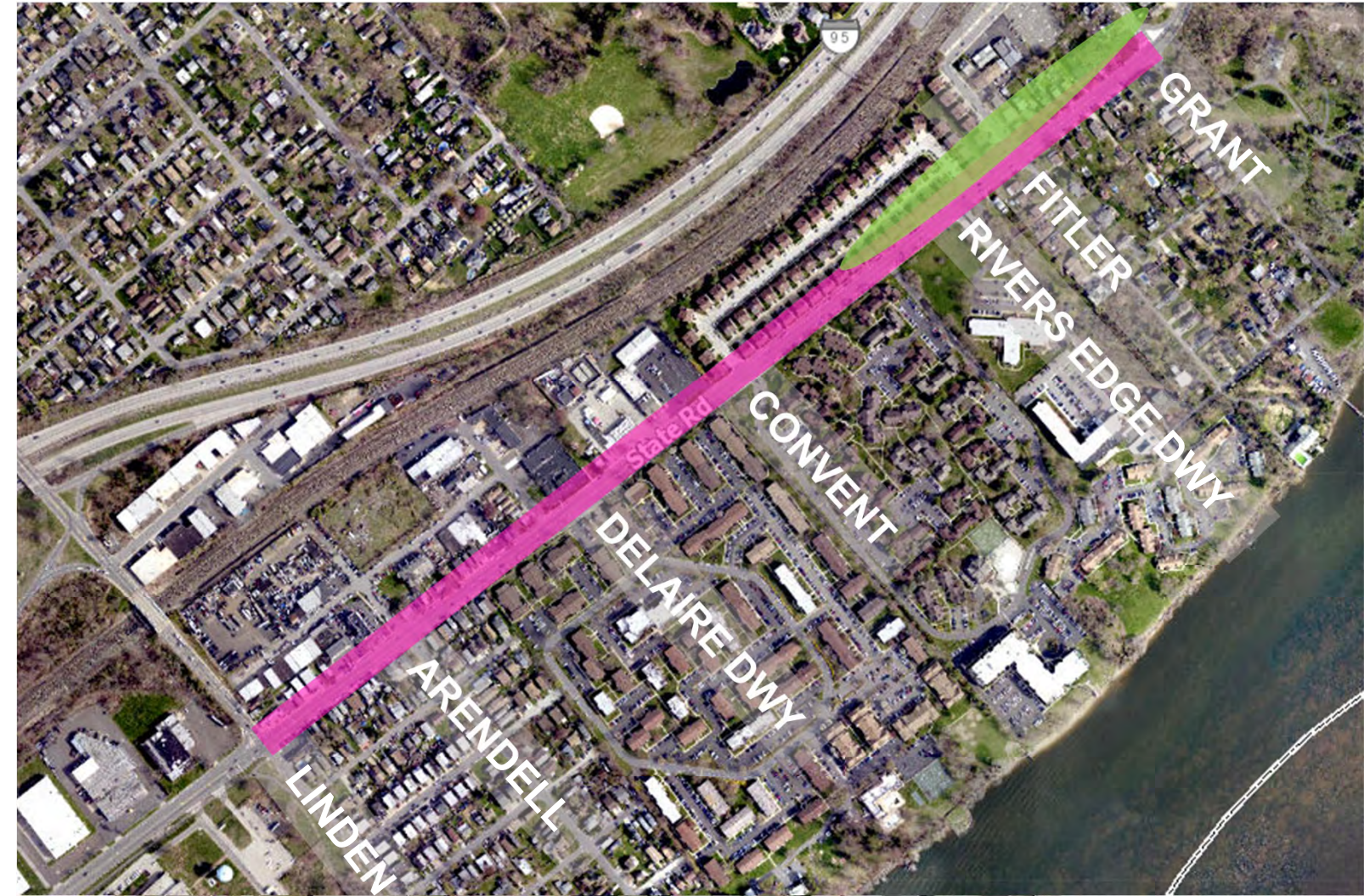
**OPTION B**





## NEIGHBOR CONCERNS

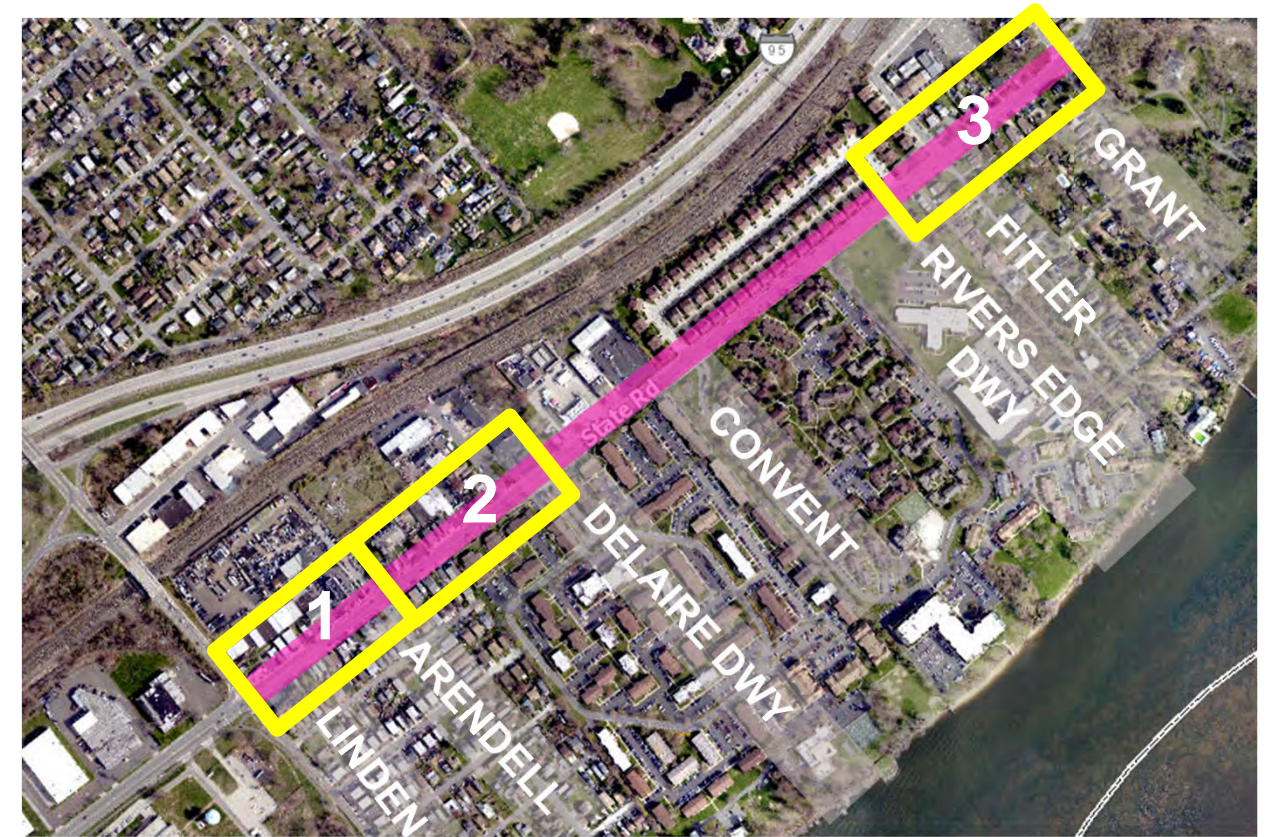
- Parking
  - Prevent all-day train passenger parking on W side
- Proposed Solutions (Fitler – Grant)
  - Residential Permit Parking (\$35/year/car)
  - 2-hour parking mid-day window





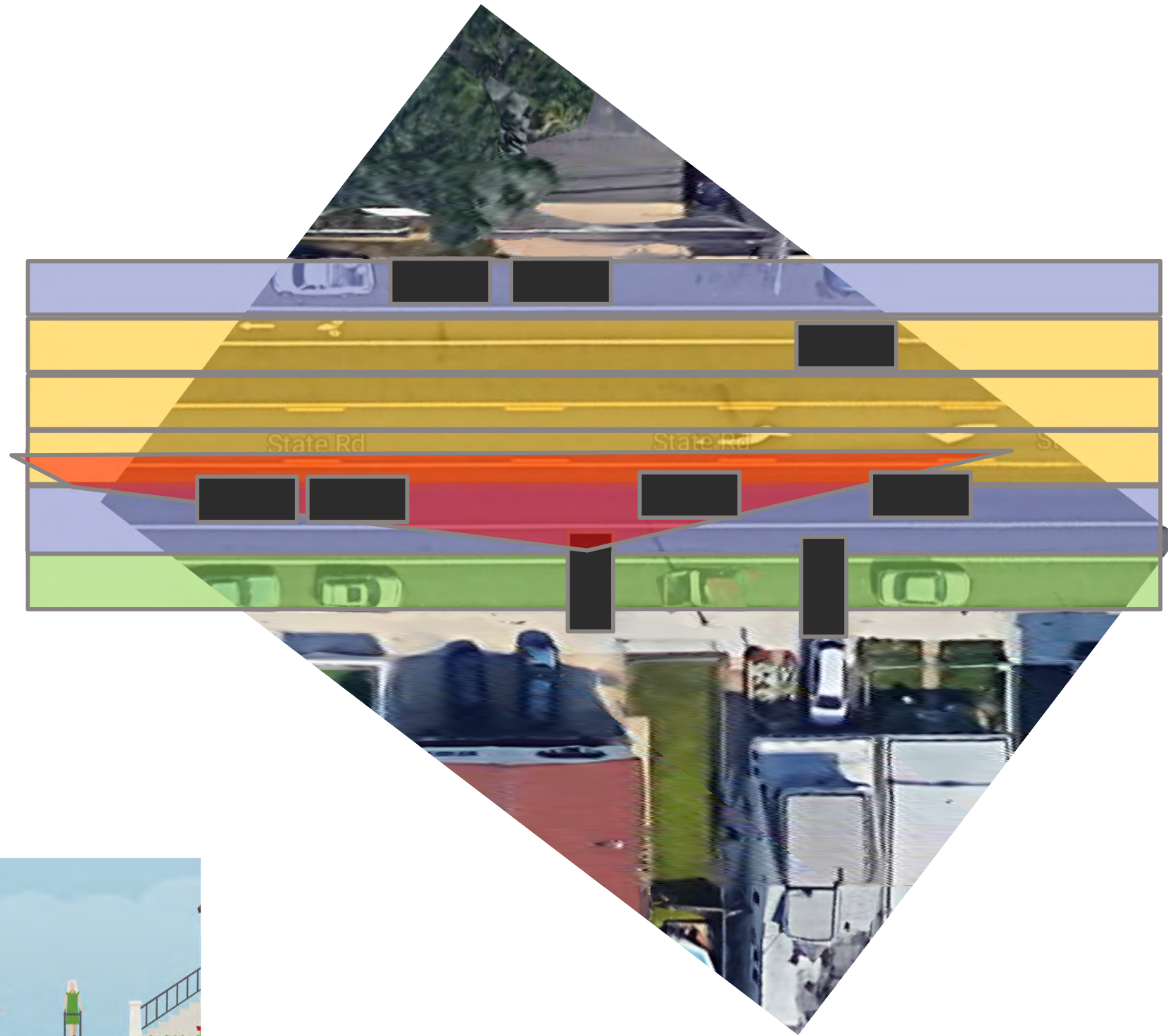
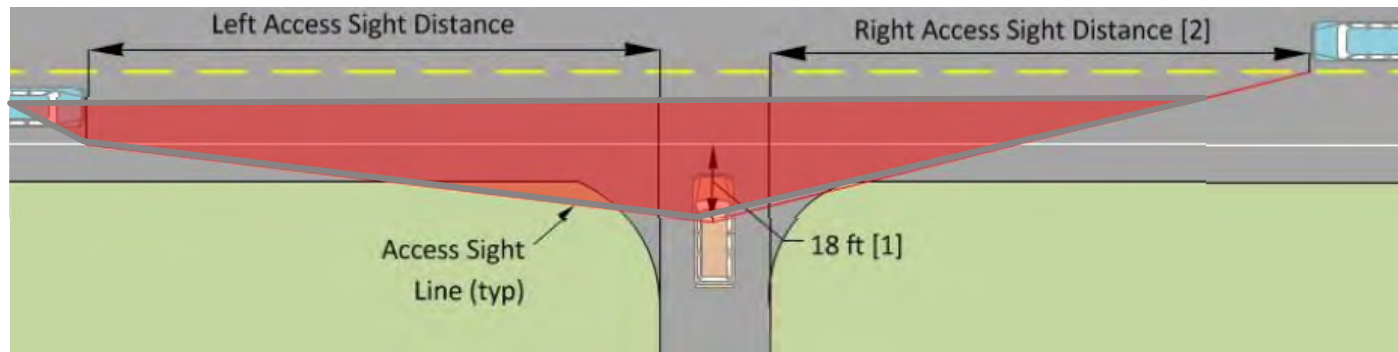
## NEIGHBOR CONCERNS

- Parking
  - Maximize on-street parking for residents on E side
- Three main on-street parking areas:
  1. Linden – Arendell
  2. Arendell – Delaire Landing Driveway
  3. Rivers Edge Driveway – Grant





# DRIVER SIGHT LINES AT DRIVEWAYS



Proposed



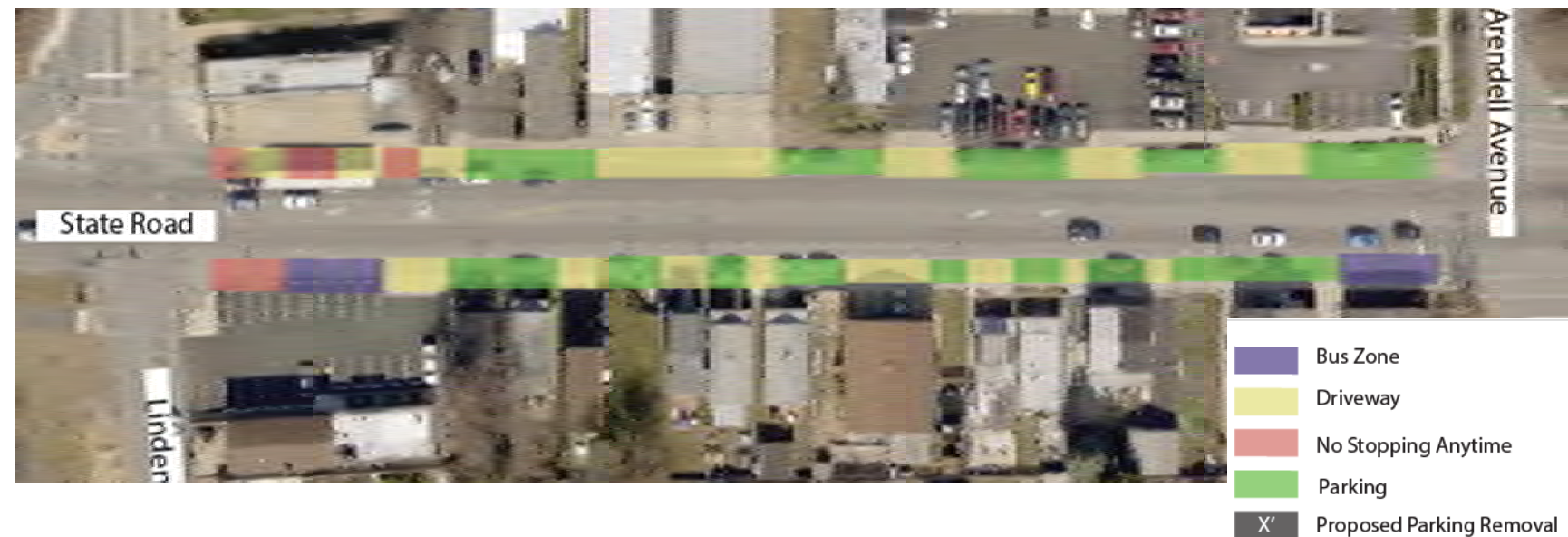
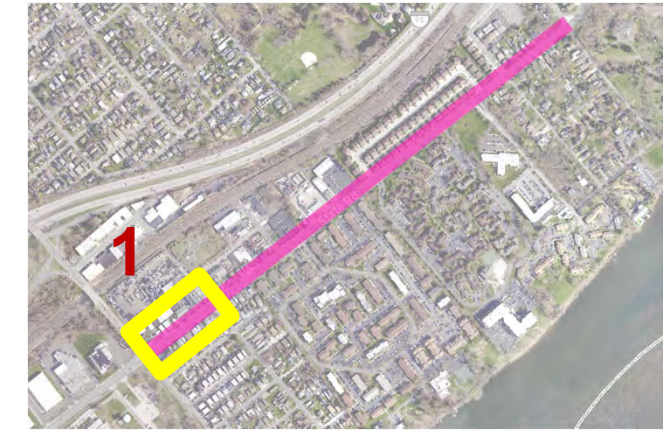
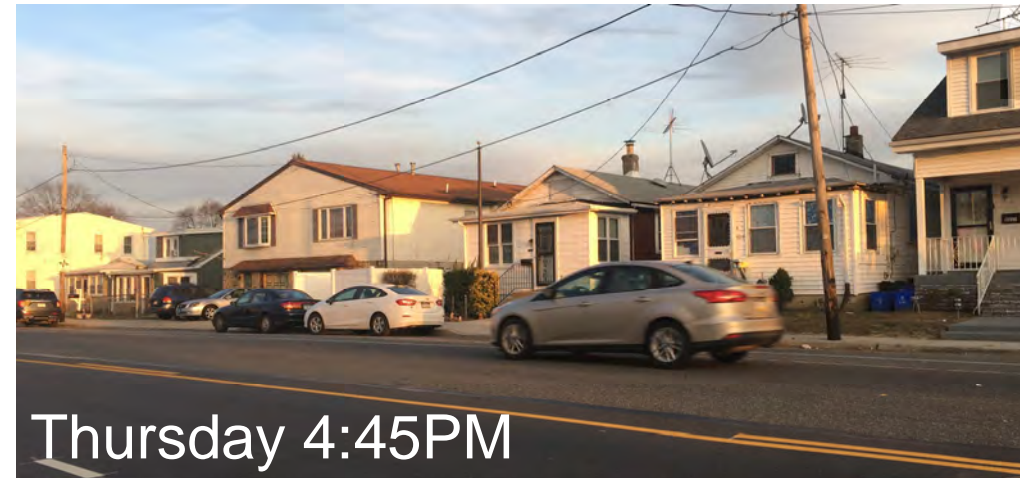


# NEIGHBOR CONCERNS

- Parking
  - Maximize on-street parking for residents on E side

## 1. Linden – Arendell East Side Only EXISTING

| Date                       | Category          | Time   | Block             | Parked Cars |
|----------------------------|-------------------|--------|-------------------|-------------|
| 12.2.19                    | Weekday           | 2PM    | Linden - Arendell | 10          |
| 12.11.19                   | Weekday           | 8PM    | Linden - Arendell | 10          |
| 12.14.19                   | Weekend Afternoon | 1PM    | Linden - Arendell | 11          |
| 1.28.20                    | Weekday           | 9AM    | Linden - Arendell | 6           |
| 1.30.20                    | Weekday           | 4:45PM | Linden - Arendell | 7           |
| 1.26.20                    | Weekend Afternoon | 2PM    | Linden - Arendell | 10          |
| <b>AVERAGE CARS PARKED</b> |                   |        |                   | <b>9</b>    |





# NEIGHBOR CONCERNS

- Parking
  - Maximize on-street parking for residents on E side
- 1. Linden – Arendell East Side Only **PROPOSED**
  - EXISTING: Average 9 cars parked today
  - PROPOSED: Average 3 cars able to park

- Bus Zone
- Driveway
- No Stopping Anytime
- Parking
- 'X' Proposed Parking Removal





# NEIGHBOR CONCERNS

- Parking
  - Maximize on-street parking for residents on E side
- 1. Linden – Arendell East Side Only **PROPOSED**
  - EXISTING: Average 9 cars parked today
  - PROPOSED: Average 3 cars able to park

- Bus Zone
- Driveway
- No Stopping Anytime
- Parking
- 'X' Proposed Parking Removal

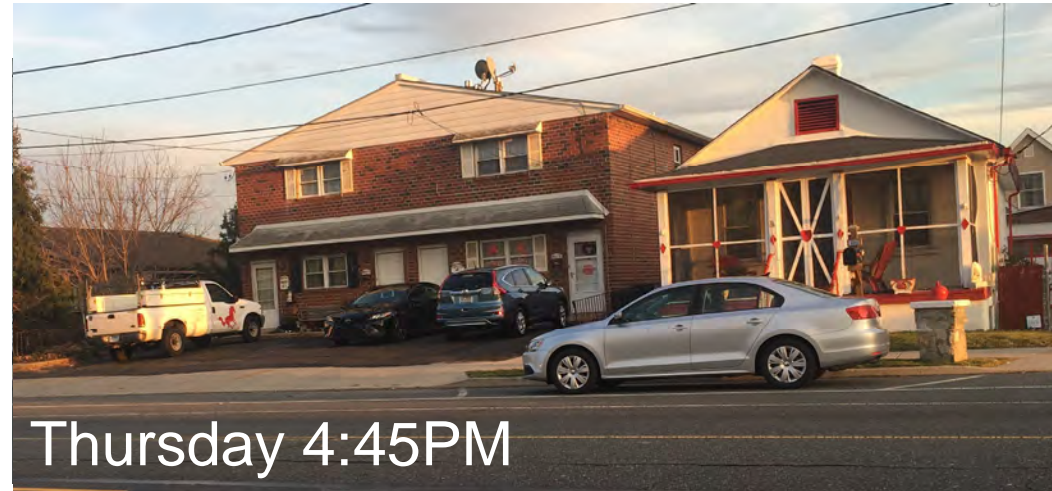




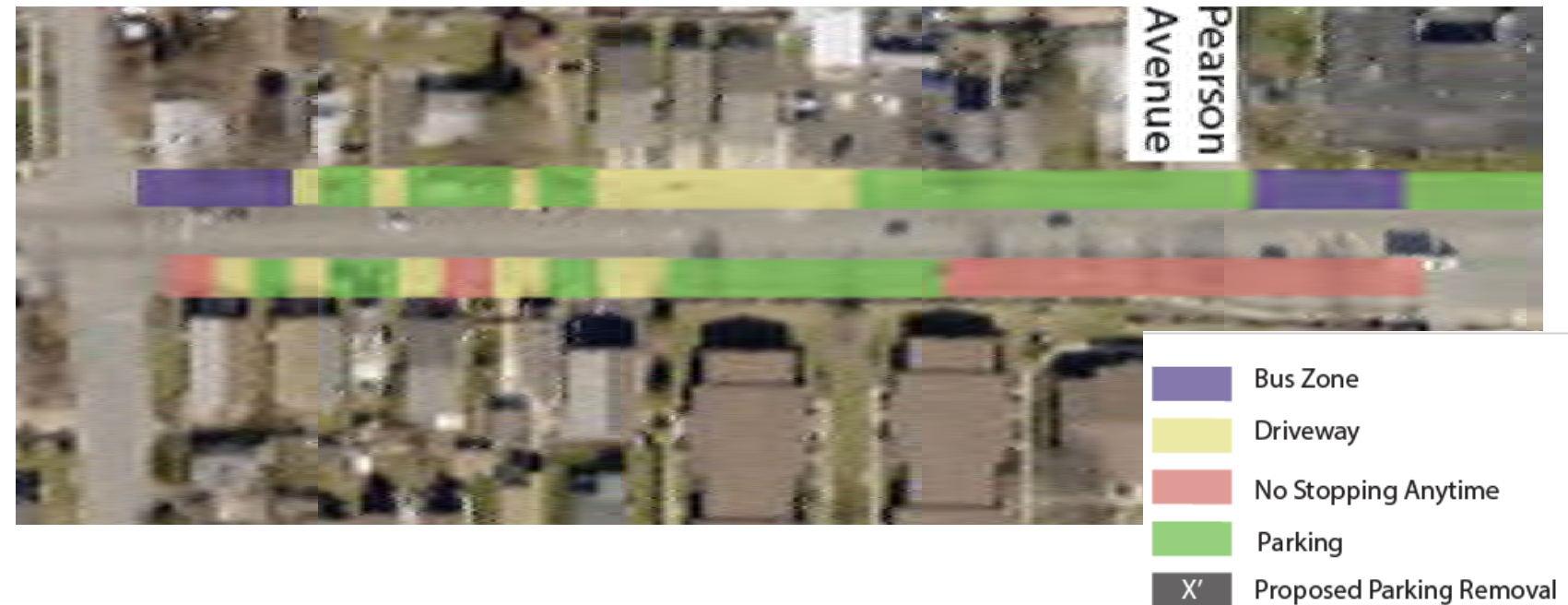
# NEIGHBOR CONCERNS

- Parking
  - Maximize on-street parking for residents on E side

## 2. Ardendell – Delaire Landing Driveway East Side Only



| Date                       | Category          | Time   | Block                         | Parked Cars |
|----------------------------|-------------------|--------|-------------------------------|-------------|
| 12.2.19                    | Weekday           | 2PM    | Arendell - Delaire Landing Rd | 2           |
| 12.11.19                   | Weekday           | 8PM    | Arendell - Delaire Landing Rd | 5           |
| 12.14.19                   | Weekend Afternoon | 1PM    | Arendell - Delaire Landing Rd | 4           |
| 1.28.20                    | Weekday           | 9AM    | Arendell - Delaire Landing Rd | 6           |
| 1.30.20                    | Weekday           | 4:45PM | Arendell - Delaire Landing Rd | 5           |
| 1.26.20                    | Weekend Afternoon | 2PM    | Arendell - Delaire Landing Rd | 5           |
| <b>AVERAGE CARS PARKED</b> |                   |        |                               | <b>4.5</b>  |

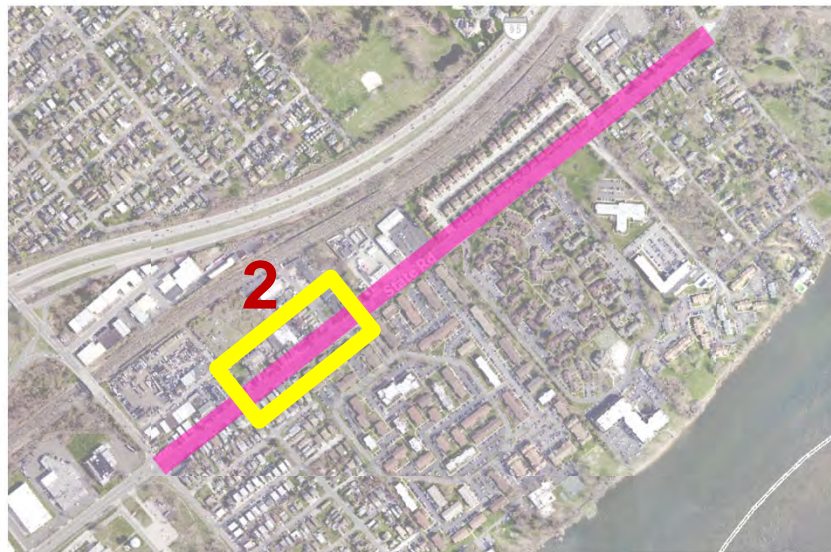




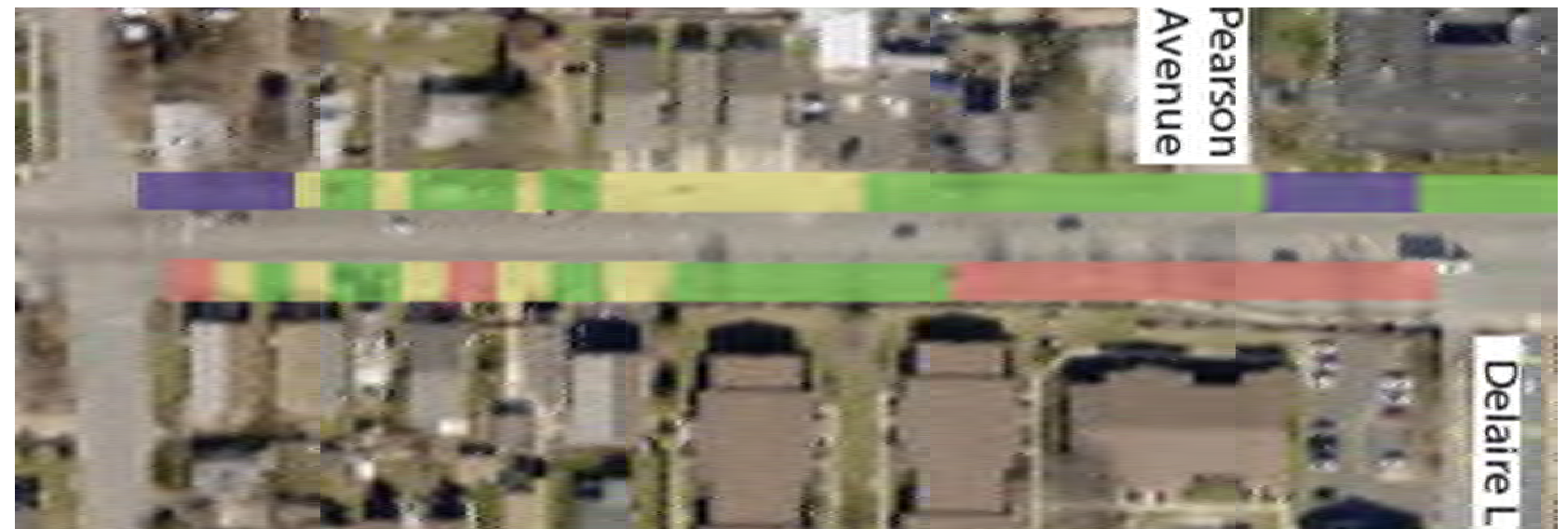


# NEIGHBOR CONCERNS

- Parking
  - Maximize on-street parking for residents on E side
- 2. **Ardendell – Delaire Landing Driveway East Side Only**
  - EXISTING: Average 5 cars parked today
  - PROPOSED: Average 8 cars able to park



- Bus Zone
- Driveway
- No Stopping Anytime
- Parking
- X' Proposed Parking Removal

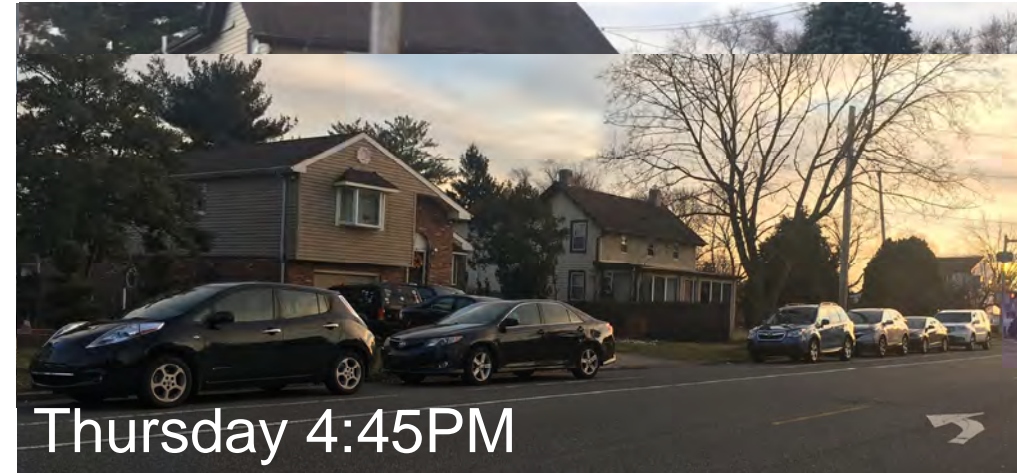




# NEIGHBOR CONCERNS

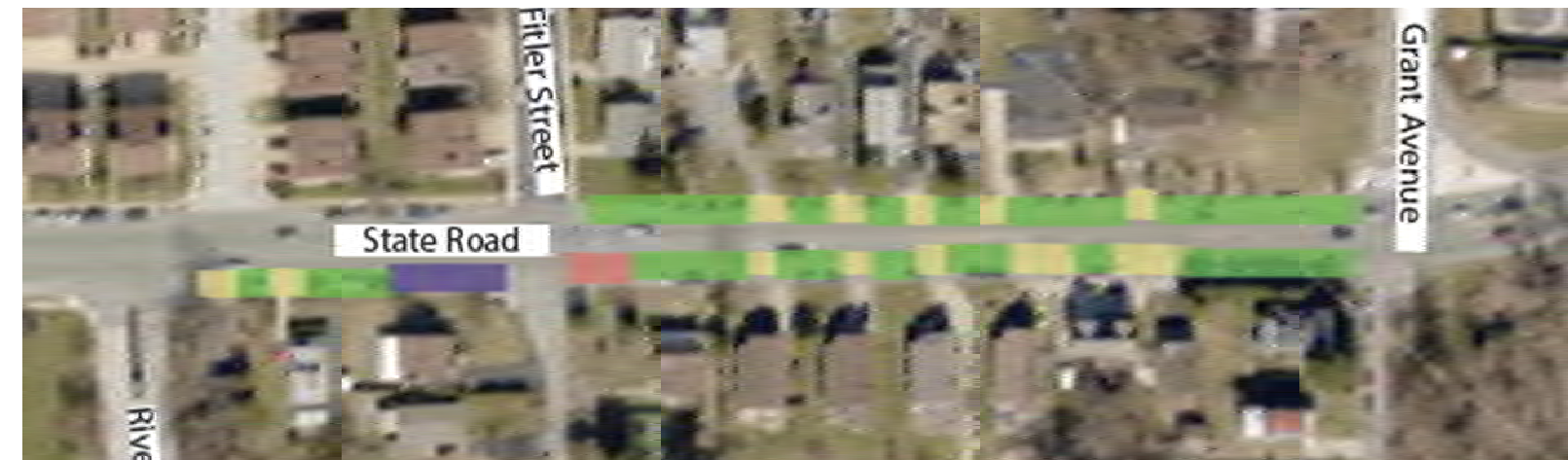
- Parking
  - Maximize on-street parking for residents on E side

## 3. Grant – River’s Edge Driveway East Side Only



- Bus Zone
- Driveway
- No Stopping Anytime
- Parking
- X Proposed Parking Removal

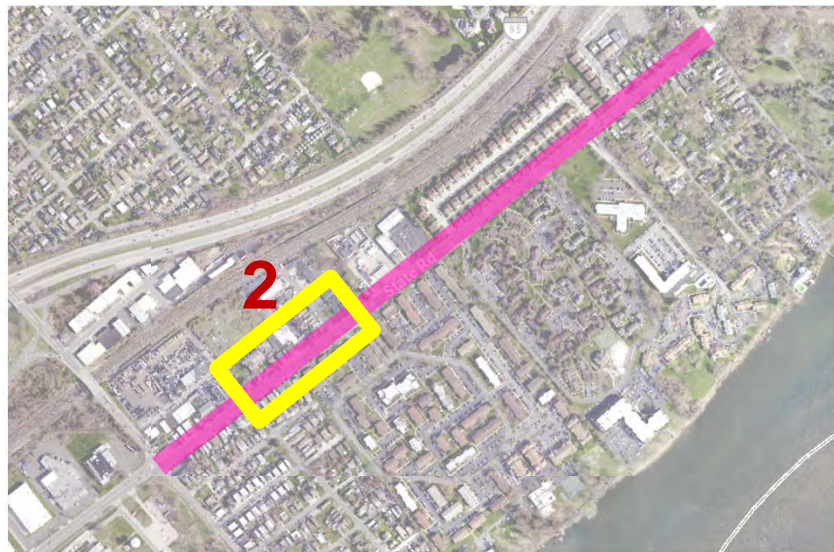
| Date                       | Category          | Time   | Block                         | Parked Cars |
|----------------------------|-------------------|--------|-------------------------------|-------------|
| 12.2.19                    | Weekday           | 2PM    | Grant - River's Edge Driveway | 8           |
| 12.11.19                   | Weekday           | 8PM    | Grant - River's Edge Driveway | 6           |
| 12.14.19                   | Weekend Afternoon | 1PM    | Grant - River's Edge Driveway | 4           |
| 1.28.20                    | Weekday           | 9AM    | Grant - River's Edge Driveway | 22          |
| 1.30.20                    | Weekday           | 4:45PM | Grant - River's Edge Driveway | 17          |
| 1.26.20                    | Weekend Afternoon | 2PM    | Grant - River's Edge Driveway | 6           |
| <b>AVERAGE CARS PARKED</b> |                   |        |                               | <b>10.5</b> |





# NEIGHBOR CONCERNS

- Parking
  - Maximize on-street parking for residents on E side
- 3. **Grant – River’s Edge Driveway East Side Only**
  - EXISTING: Average 10 cars parked today
  - PROPOSED: Average 8 cars able to park

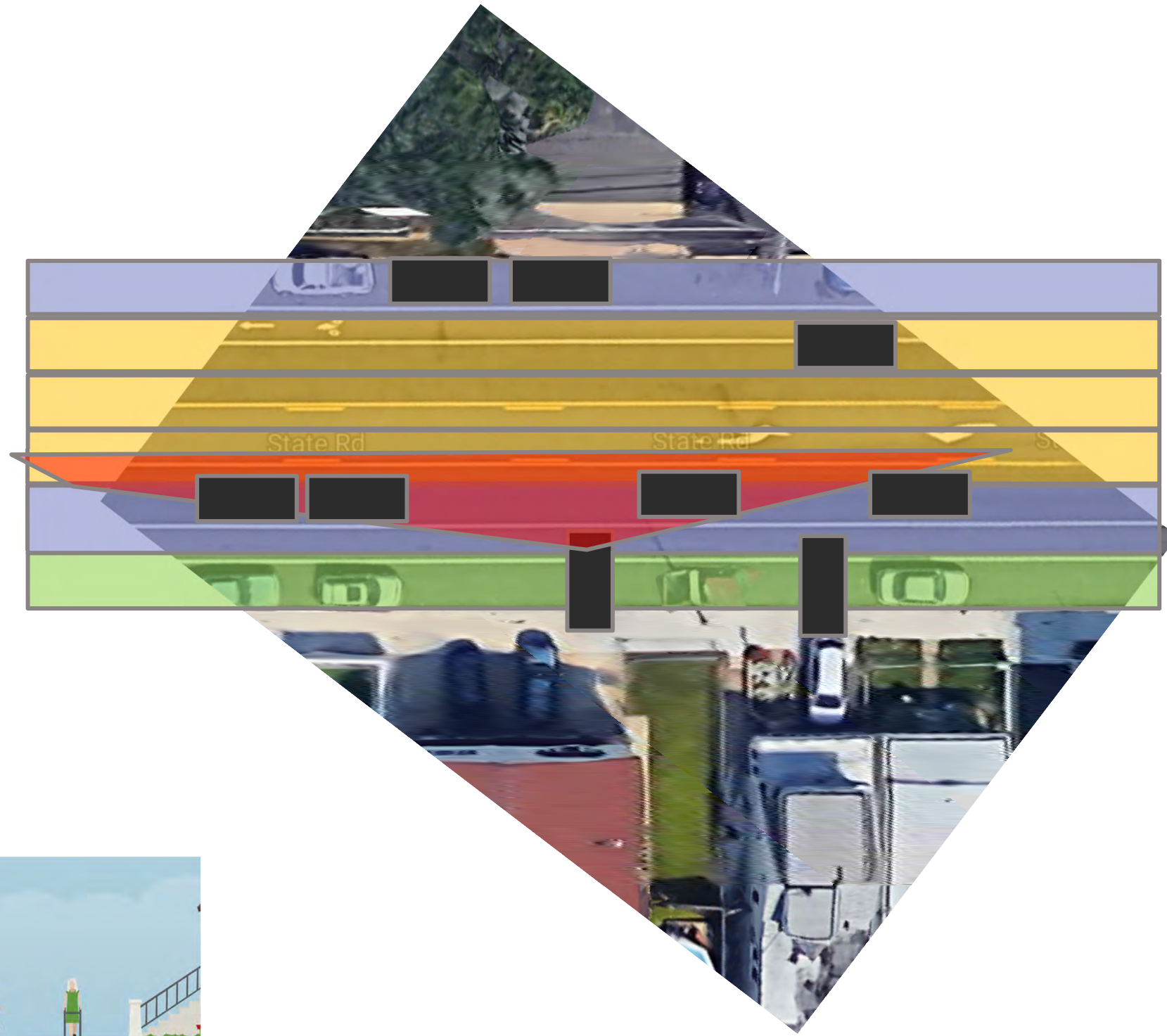
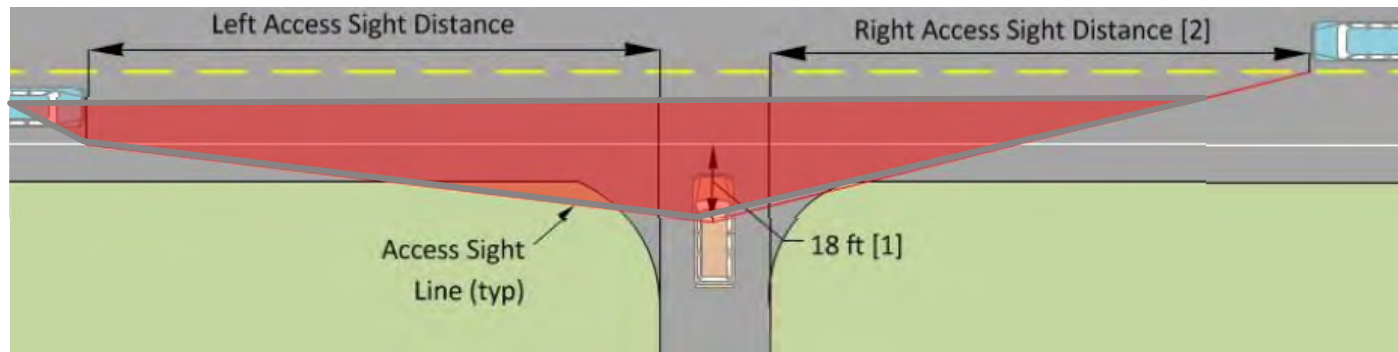


- Bus Zone
- Driveway
- No Stopping Anytime
- Parking
- 'X' Proposed Parking Removal

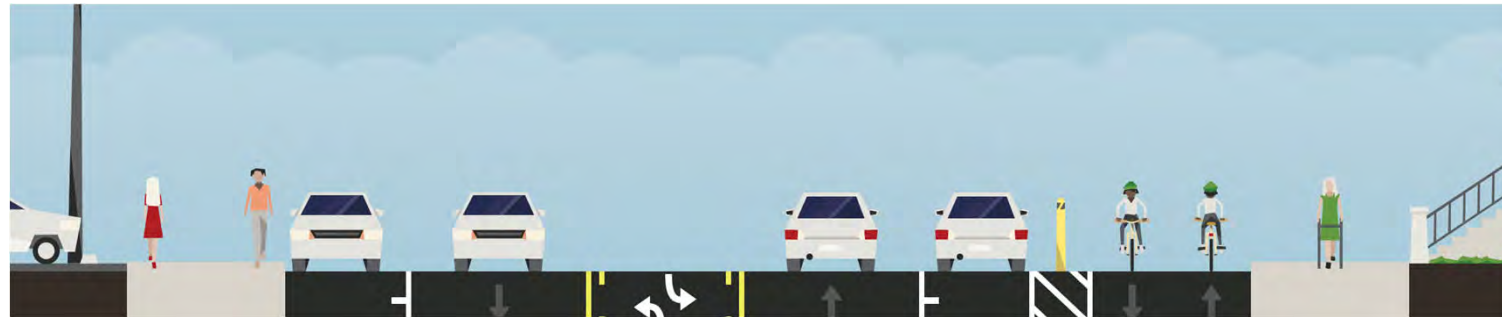




# DRIVER SIGHT LINES AT DRIVEWAYS



Proposed





## NEXT STEPS

- **TODAY** – gather feedback on proposal
- February 2020 – Further design and work with neighbors and ETCA on details
- Paving Season 2020 – PennDOT Repaving





# THANK YOU

Jeannette Brugger, AICP  
Pedestrian & Bicycle Coordinator, OTIS

Rich Montanez, PE  
Deputy Commissioner, Streets Department

Nicholas Cinciruk, PE  
District Traffic Engineer, Streets Department