

# RIVERSIDE DR AND W 165TH ST

Community Board 12

October 2, 2023

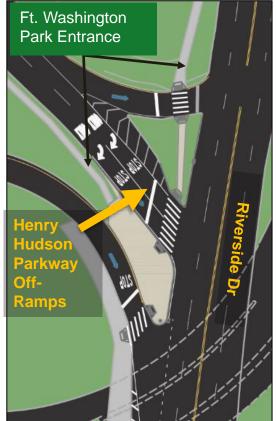




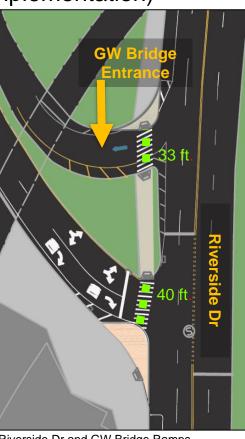
### **BACKGROUND**

Request by Department of Parks and Recreation to improve neighborhood access to Fort Washington Park

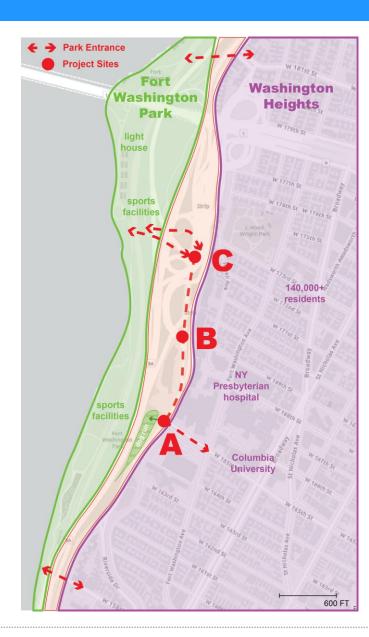
CB 12 voted in support of project locations B and C in Spring 2020 (2024 implementation)





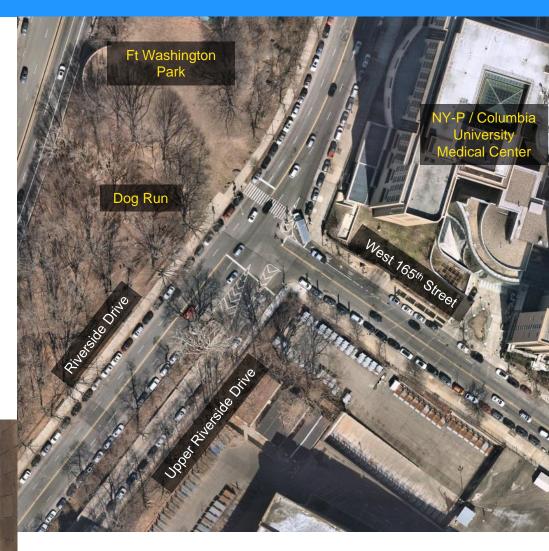


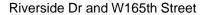
Riverside Dr and GW Bridge Ramps



### **BACKGROUND**

- Entrance to dog run
- New York-Presbyterian Hospital/Columbia University
- Signal timing adjusted in late 2018
  - Westbound to north-bound right on W165 changed to no turn on red





#### **SAFETY ISSUES**

- 6 of the pedestrian injuries occurred while pedestrians were crossing with the correct signal
- With only one crosswalk, pedestrians cross without crosswalk regularly



Riverside Dr and W 165<sup>th</sup> Street
Injury Summary, 2016-2020 (5 years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	13	1	0	1
Bicyclists	4	0	0	0
Motor Vehicle Occupant	52	4	0	4
Total	69	5	0	5

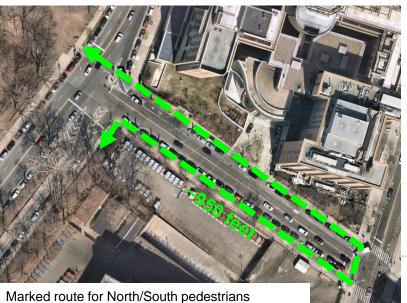
KSI = Killed or Severely Injured

## **Existing Conditions**



#### **EXISTING CONDITIONS**



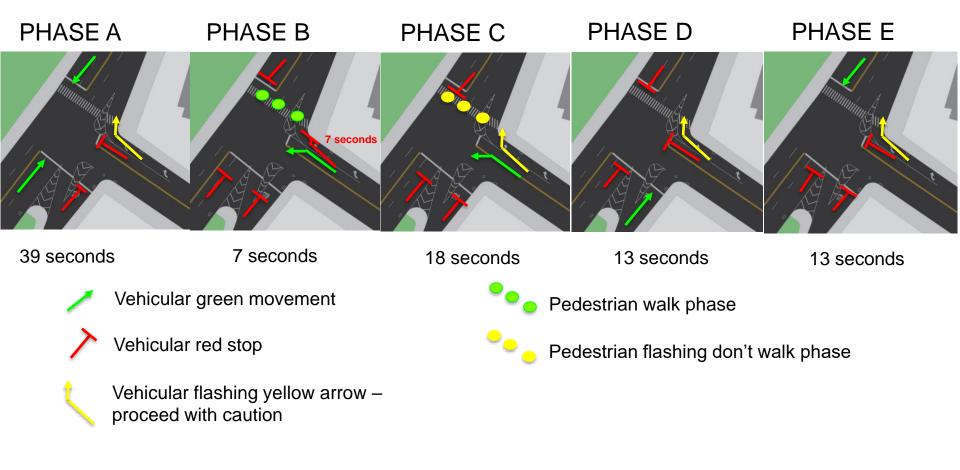


- Only one crosswalk for entire intersection
  - Pedestrians have only 7 seconds of protected time to cross right turn lane
  - 800 right turning vehicles (extremely high volumes)
  - Perceived pedestrian anxiety from voluminous rights
- Long crossing distances, marked or unmarked
- Natural crossing desire lines can be behind waiting vehicles
- Legal crossing: ~950 feet to travel for pedestrians walking north-south instead of 51 feet



A pedestrian crosses W165th St without a crosswalk

#### **SIGNAL TIMING – 90 SECONDS TOTAL**



- Signal timing adjusted in late 2018
  - Westbound to north-bound right on W165 changed to no turn on red
  - Right turn is red for just 7 seconds (of 90 secs), remainder of signal cycle is flashing yellow/yield

Proposed Plan

## **TOOLKIT**





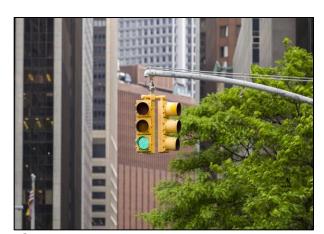


Concrete

Painted Pedestrian Space with Flexible Delineators



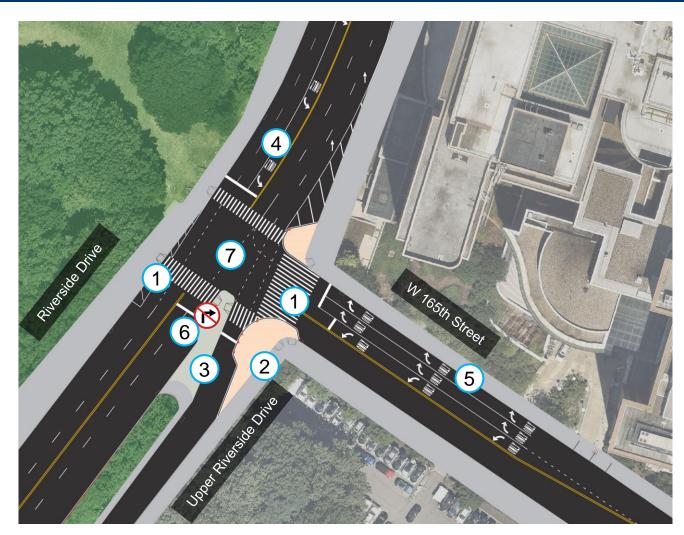
Lane Designations



Signal Timing

### **PROPOSED PLAN**

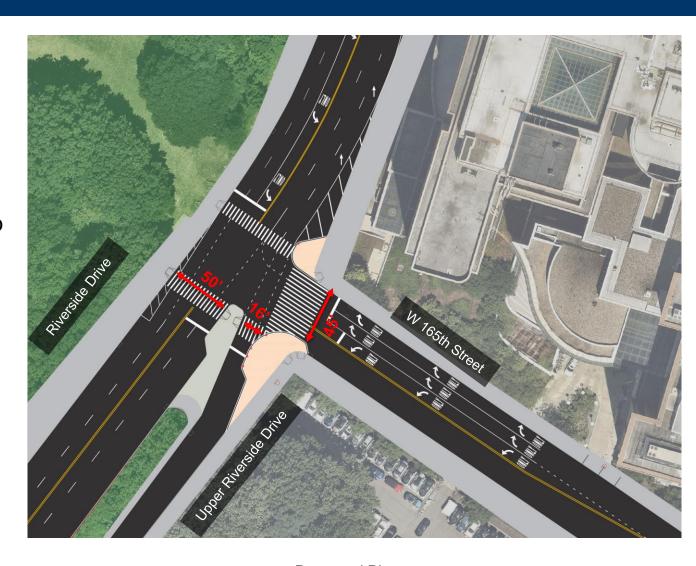
- Install two new crosswalks
- Install graveled/painted pedestrian space
- 3. Install concrete median extension
- 4. Add South-bound left-turn lane
- 5. Reconfigure W165th St lane assignments
- 6. No right turn from northbound Riverside Dr to W 165<sup>th</sup> St
- 7. Revise signal timing



Proposed Plan

### **PROPOSED PLAN**

- Shortened crossing distances
- Stop bars relocated to meet standard intersection design



Proposed Plan

#### PROPOSED CURB MANAGEMENT PLAN

#### Curbside space:

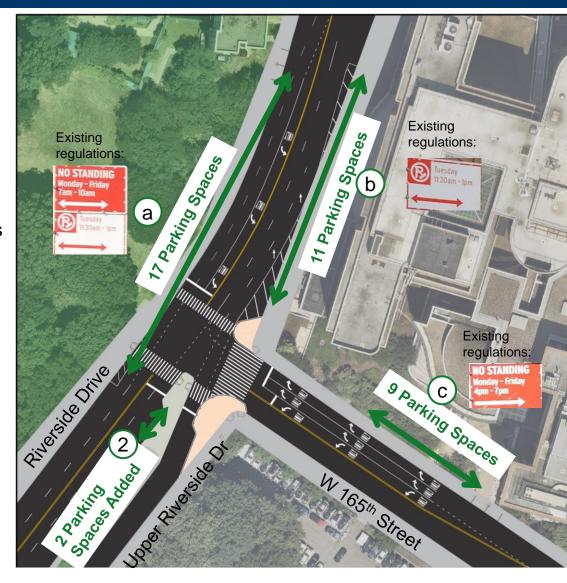
#### 1. Clarify vehicle movements:

- Convert 17 short term (rush hour regulation No Standing Anytime 7 am-10 M-F) parking spaces to full time moving lane to accommodate a southbound left turn lane
- b. Convert 11 long term parking spaces to a new merge lane from Upper Riverside Dr
- c. Convert 9 short term parking spaces to a 2<sup>nd</sup> full time right turn lane on westbound W165th St

#### 2. Add Parking:

Install 2 parking spaces along new concrete median extension

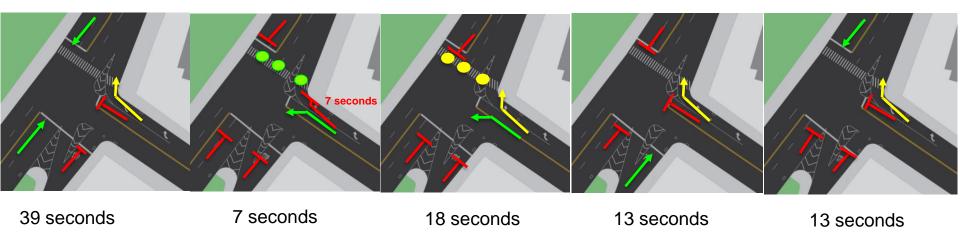
35 Parking Spaces Reallocated



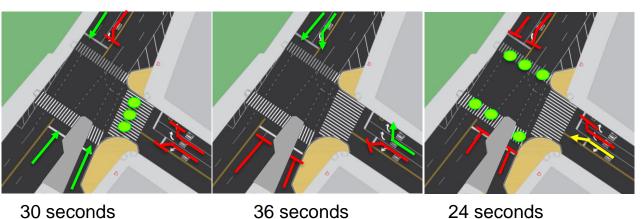
#### **SIGNAL TIMING**

PHASE A PHASE B PHASE C PHASE D PHASE E

Existing

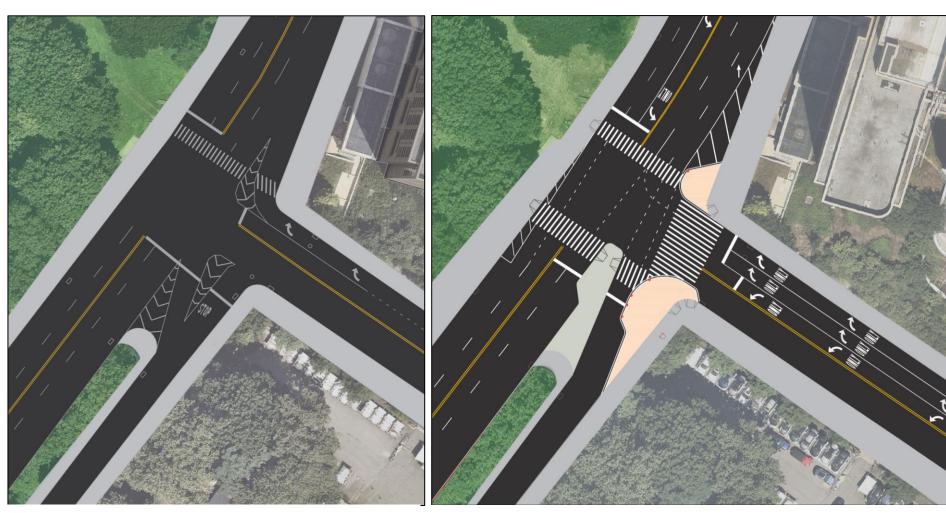


#### Proposed



- Fewer, simpler phases
- Increased safety
- Dedicated pedestrian crossing phases
- Clarity of movements

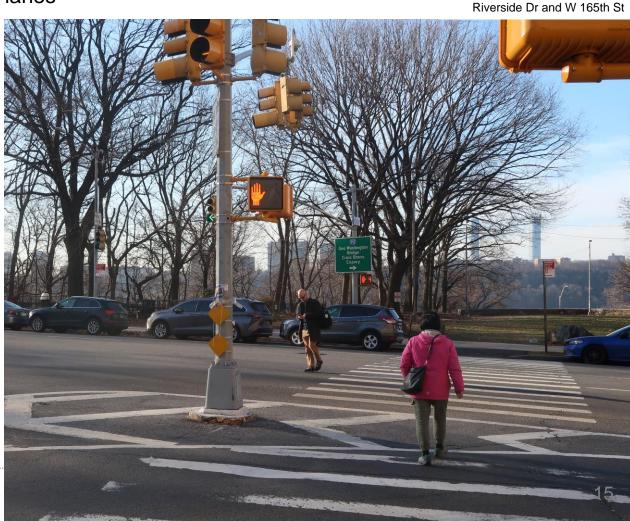
## **EXISTING / PROPOSED COMPARISON**



Existing Conditions Proposed Plan

### **BENEFITS**

- Improved signal timing for enhanced pedestrian safety
- More crosswalks for more accessible, safer crossing
- Shorter crossing distances
- Redesigned intersection & turn lanes
- Clearer vehicular movements



### **THANK YOU!**















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