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# WELCOME

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Delaware Avenue  
Separated Bikeway

Public Workshop

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August 13, 2018



Delaware Department  
of Transportation



## WHAT ARE THE PROJECT GOALS?

- 01 Provide a designated and predictable eastbound/westbound bike route in Newark
- 02 Improve bicycle safety with a separated bike facilities
- 03 Increase rider comfort
- 04 Encourage slower vehicle speeds
- 05 Implement first bicycle signals in Delaware
- 06 Encourage bike ridership
- 07 Provide compliant ADA facilities
- 08 Improve pedestrian facilities along Newark H.S. frontage
- 09 Maintain on-street parking along Newark H.S. frontage
- 10 Replace deteriorated concrete pavement
- 11 Discourage sidewalk use for less experienced riders



# WHAT IS A SEPARATED BIKEWAY?

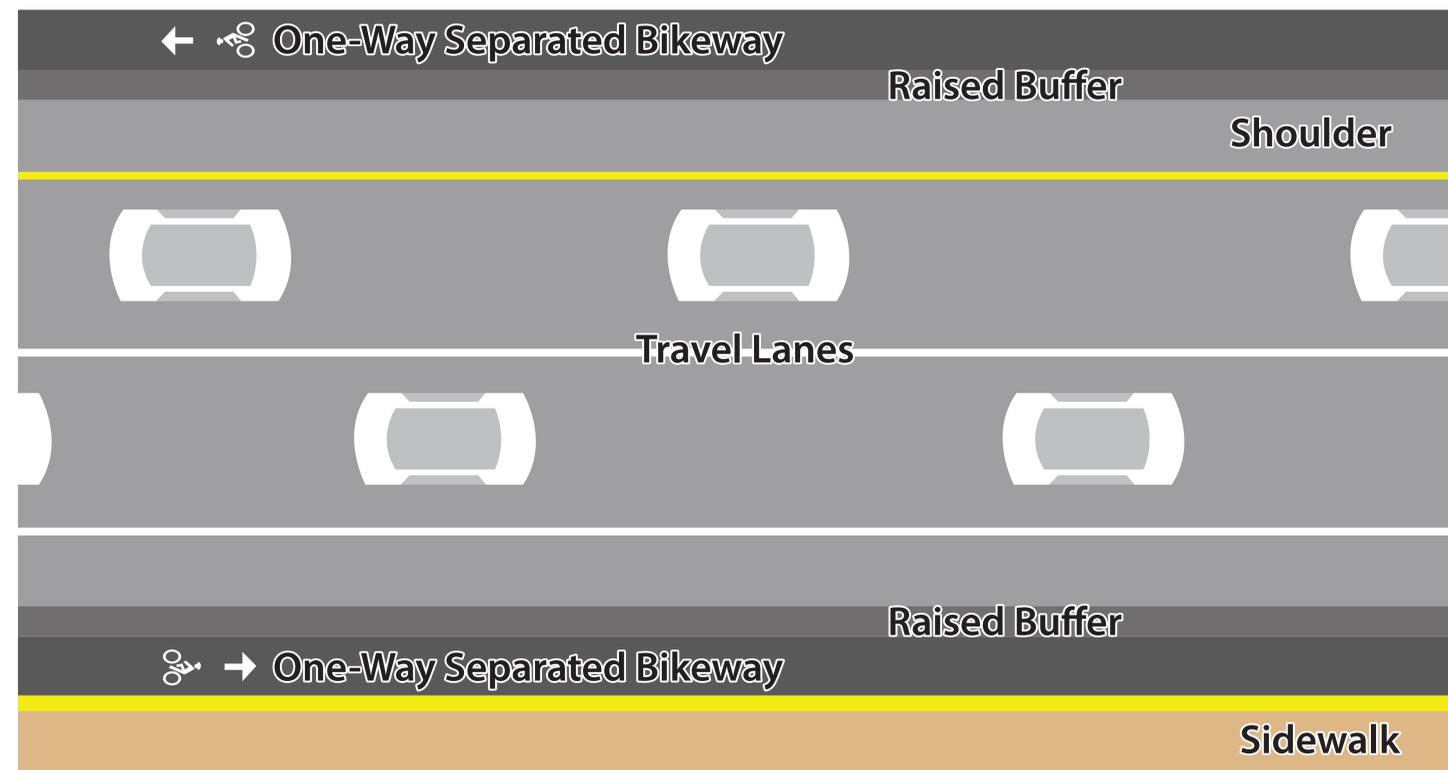
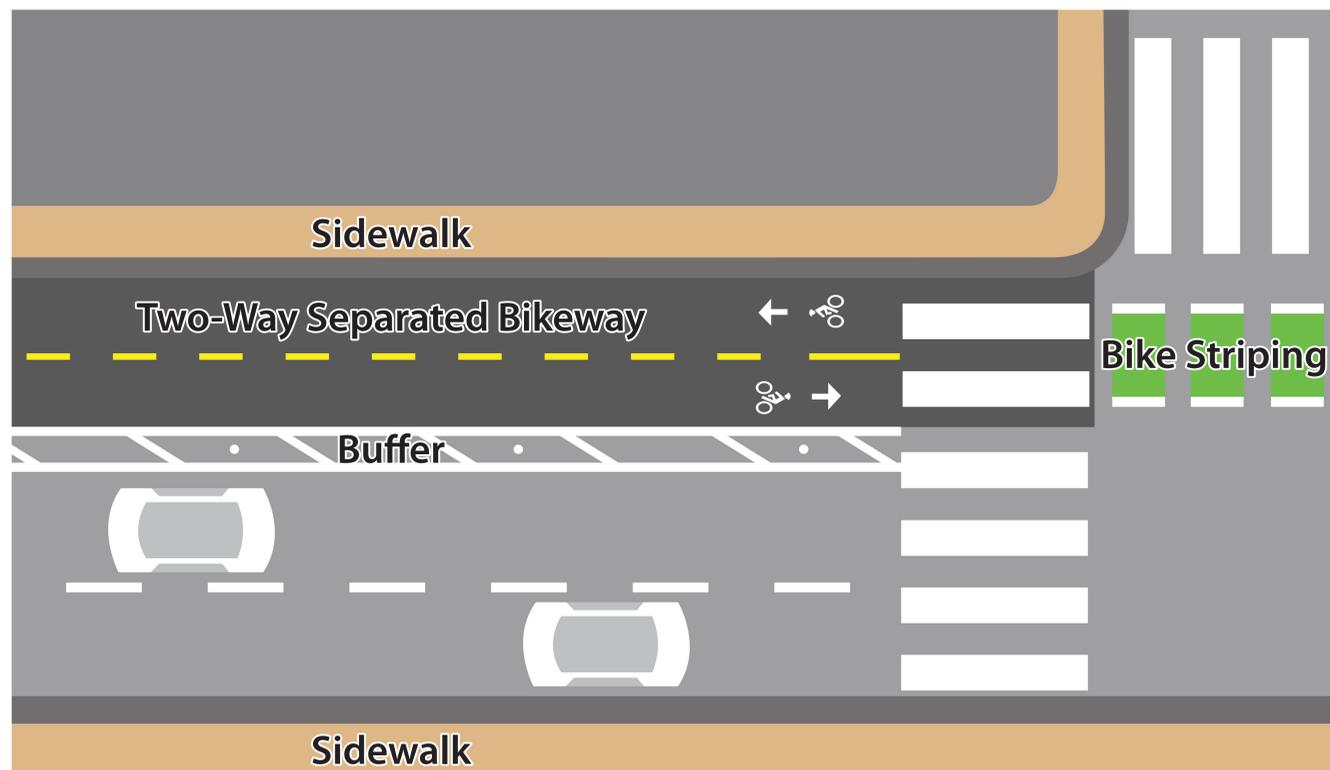
A separated bikeway is a one way or two way bike lane which physically separate bicyclists from sidewalk and traffic using curbing, striping and/or posts. It is more comfortable for most bicyclists who prefer not to ride on the road with traffic.

## What you need to know

The new two-way separated bikeway between Orchard Road and Pomeroy Trail and one-way separated bikeway between Pomeroy Trail and Library Avenue will change the way you ride on Delaware Avenue - learn how to use it safely.

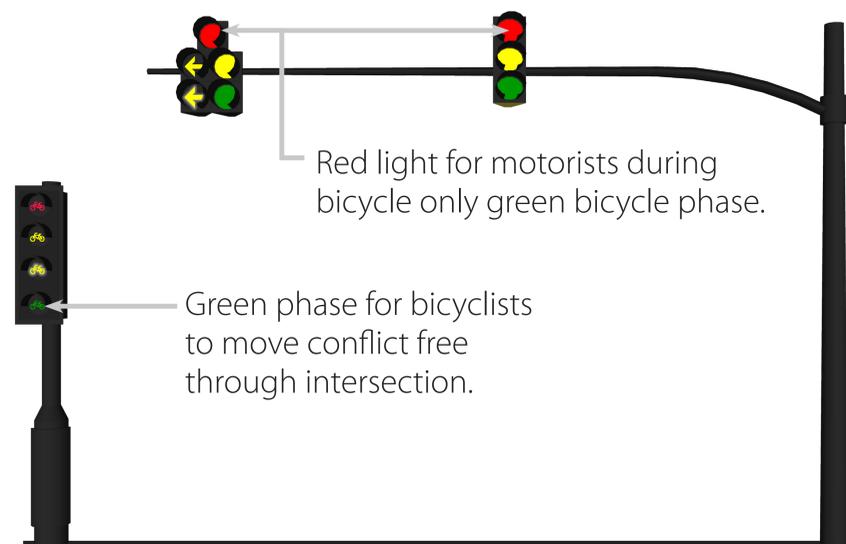
## How do cyclists use it?

- Yield to pedestrians in crosswalks, crossing for parked vehicles or bus stops.
- Watch for turning vehicles in driveways and intersections.
- Don't block the crosswalks.
- Ride on the right side of two-way bikeways. Use caution passing another bicyclist and pass on the left.



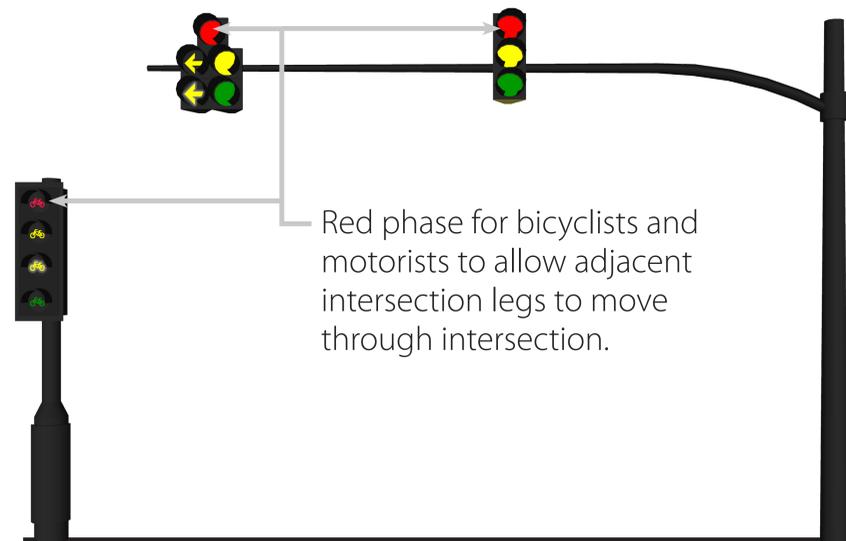
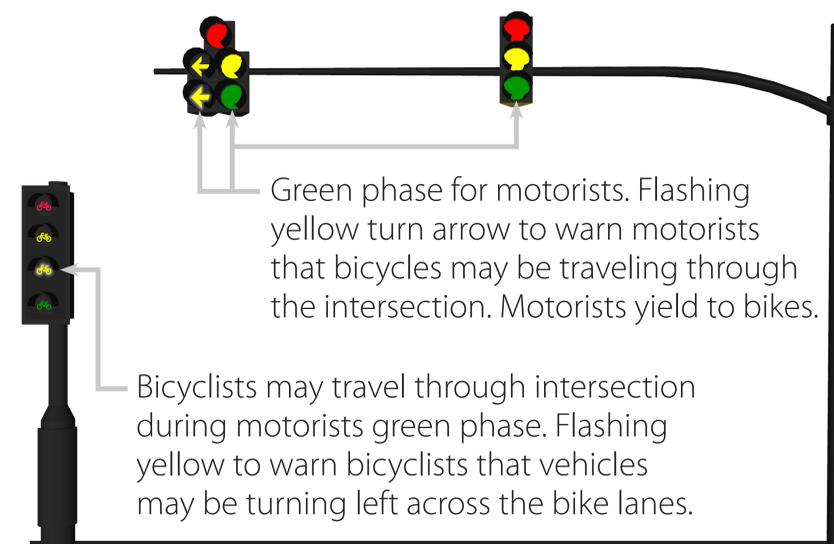
# HOW DOES A SIGNALIZED INTERSECTION WORK WITH A SEPARATED BIKEWAY?

Signalized intersections with a separated bikeway include separate signals for bicyclists. Bike detections will tell the signal when a bicyclist is present. Bicyclists have their own separate green phase to move conflict free through the intersection while motorists have a red signal. Both bicyclists and motorists may travel through the intersection during the motorists green phase and the bicycle flashing yellow phase. Bicyclists and motorists will share yellow and red phases.



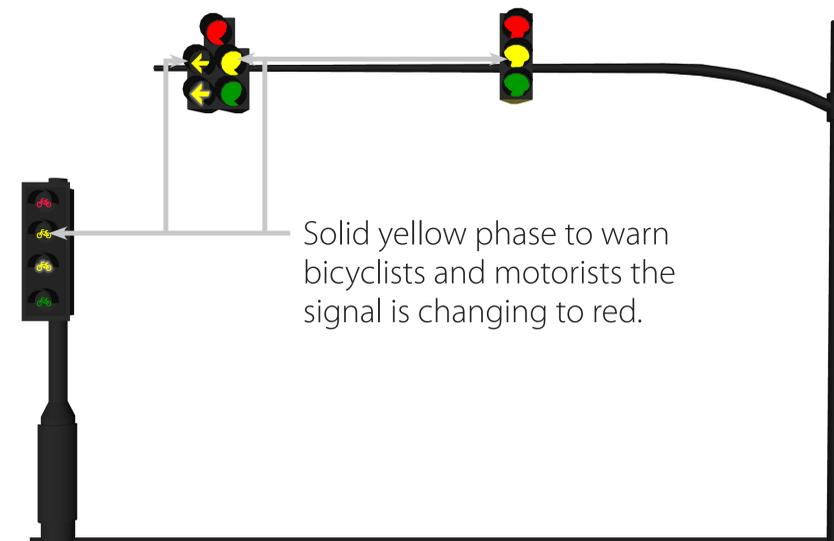
Bicycle Only Green Phase

Motorists Green Phase/  
Bicycle Flashing Yellow Phase



Shared Red Phase

Shared Yellow Phase



# NEW BICYCLE FACILITIES SYMBOLS

## What does the green mean?

- Highlights areas where bicyclists and cars cross paths.
- Alerts both driver and bicyclists to pay extra attention.

## How to use it?

- Bicyclists should be alert and look for cars crossing green pavement areas.



## What is a bike detector?

- Detectors tell the signal when a bicyclist is waiting for the light to turn green.
- Markings indicate bike detector location for bicyclists to stop in order to change the signal.

## How to use it?

- Place your bicycle on the bike detector symbol to trigger green light.



## What are sharrows?

- Shared lane markings indicate to bicyclists the best location on the street to ride and help motorists to see and share the lane with bicyclists.

## How to use it?

- Bicyclists use the sharrow to guide where to ride within the lane.

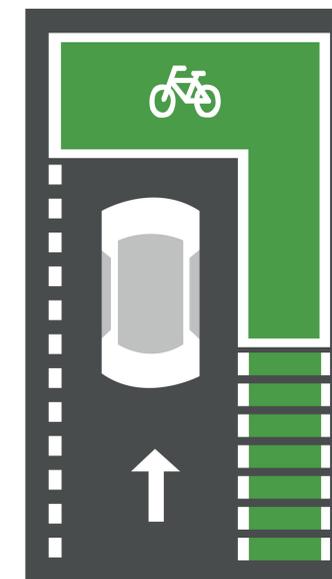


## What is a bike box?

- A painted green space on the road with a bicycle symbol located at an intersection. It alerts approaching drivers of bicyclists.

## How to use it?

- Provides a space for bicyclists to cross at an intersection ahead of traffic.



# PROJECT SCHEDULE

**PROJECT  
DESIGN**

April 2018 - January 2019

**PROJECT  
CONSTRUCTION**

Early 2021

**EVALUATION**

2022

*Note: There is a possibility that construction may begin sooner but the schedule will be dictated by the Main Street reconstruction project.*

For more information, please visit:

[https://www.deldot.gov/information/projects/bike\\_and\\_ped/delaware\\_ave/](https://www.deldot.gov/information/projects/bike_and_ped/delaware_ave/)



# WHAT IS A RAISED INTERSECTION?

A raised intersection is similar to a raised crosswalk, except that the raised section covers an entire intersection, including crosswalks to enable pedestrians to cross the road at the same level as the sidewalk. Approach ramps are provided on all street approaches, resulting in traffic to slow down and watch for pedestrians.

