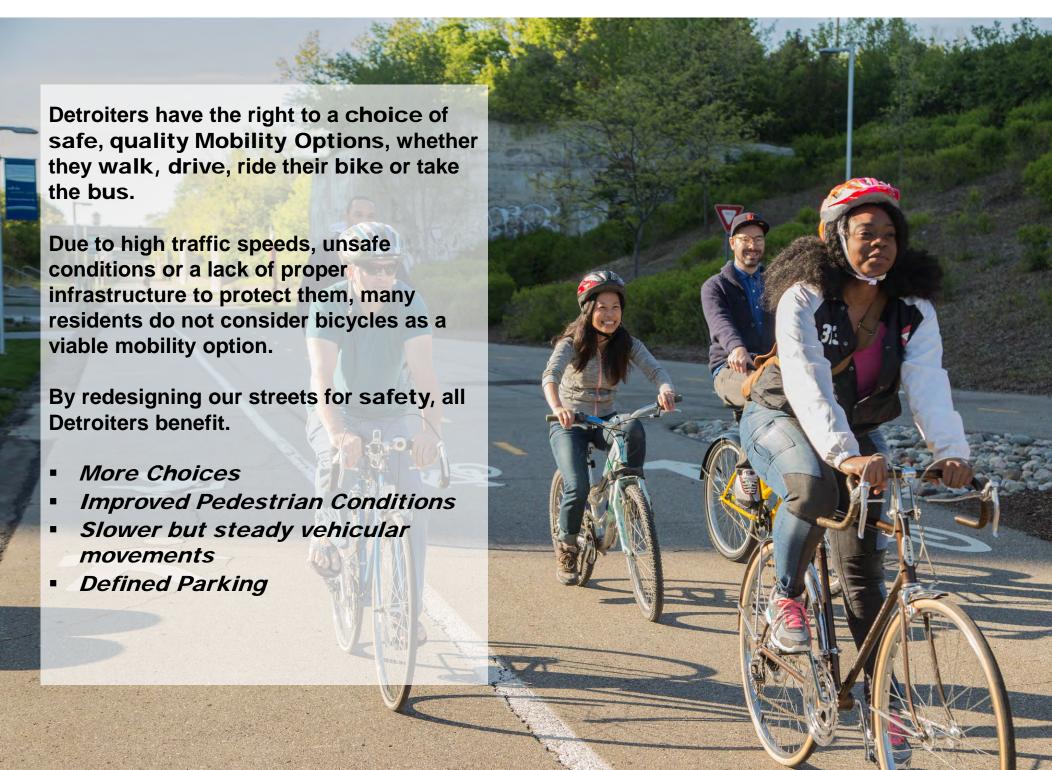


WHY BIKE LANES IN THE MOTOR CITY?

CREATING MOBILITY OPTIONS FOR ALL DETROITERS



SPEED KILLS

Hit by a vehicle traveling at MPH MPH

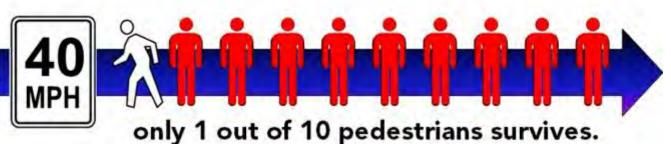
9 out of 10 pedestrians survive.

Hit by a vehicle traveling at



5 out of 10 pedestrians survive.

Hit by a vehicle traveling at



PEDESTRIAN & BICYCLIST FATALITY RATES

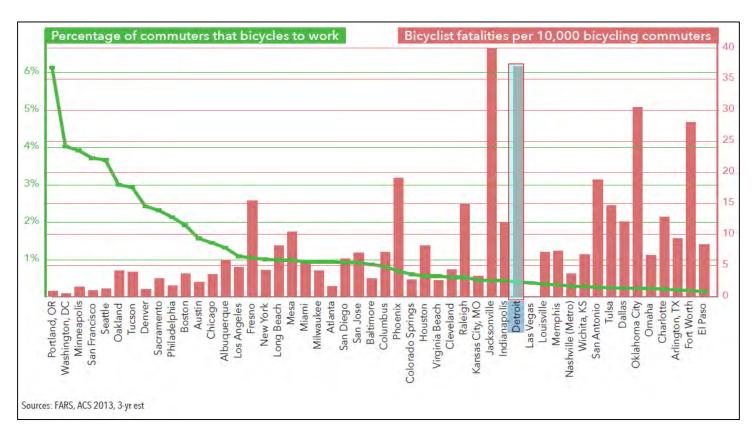
CITY WIDE CRASH DATA 2012-2016:

103,806 Vehicle Crashes

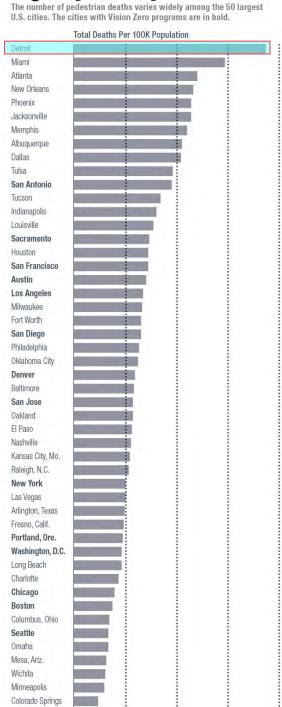
2,314 Pedestrian Crashes

727 Bike Crashes

206 Deaths



Big-City Fatality Rates

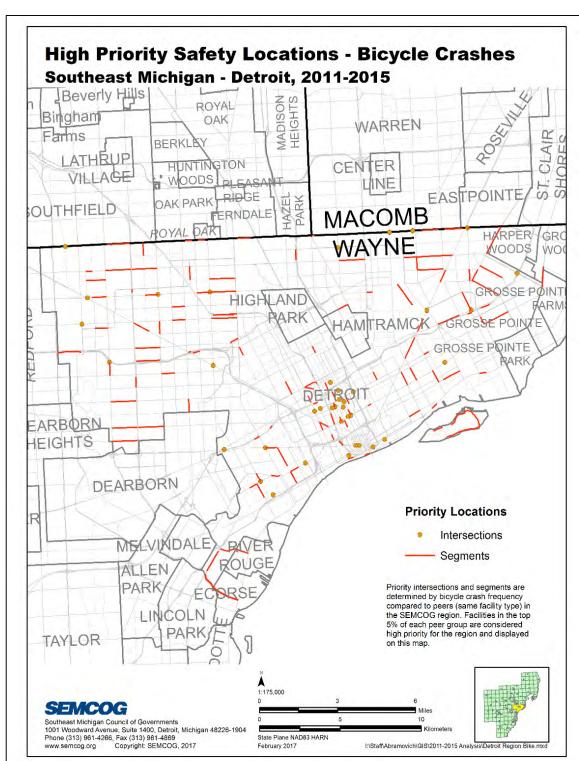


Virginia Beach

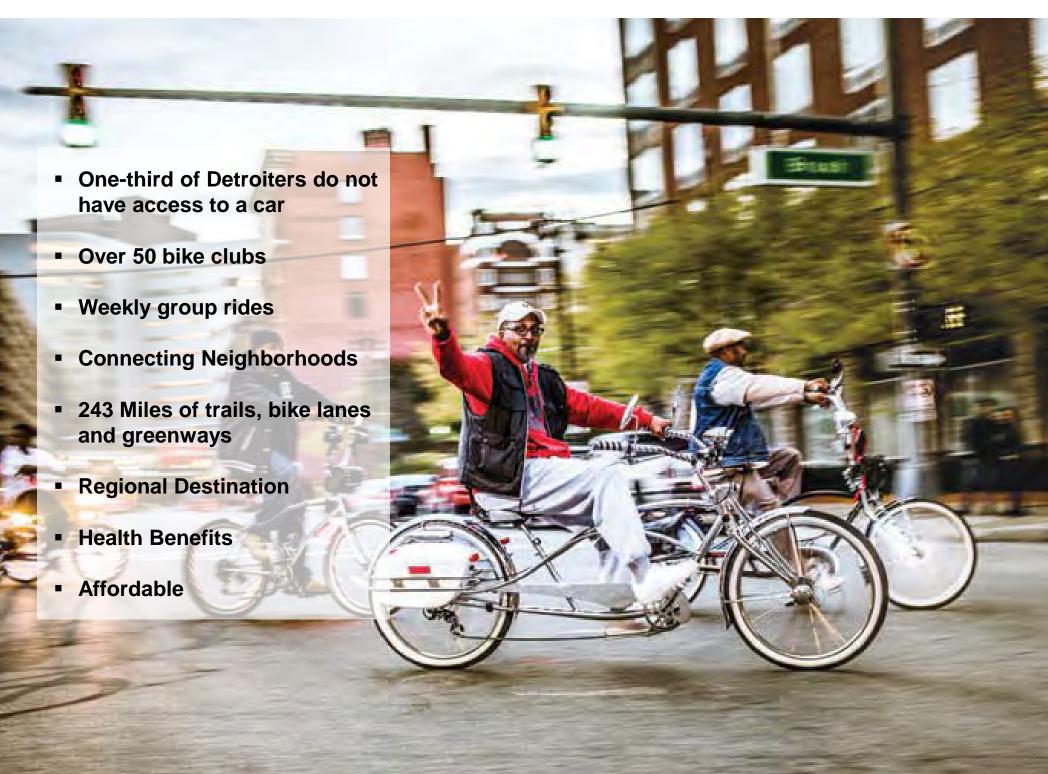
BICYCLIST FATALITIES, INJURIES & CRASH DATA

SUPPORTING DATA

- Detroit has the highest bicyclist fatality rate in Michigan
- More than the cities of Grand Rapids, Ann Arbor, Lansing, and Warren combined
- 88% of cyclists killed were male
- 85% of cyclists incapacitated were male
- The majority of accidents involve 11-13 year olds and 44-46 year olds
- 85% of commuters (all modes) are people of color
- Average cyclist in Detroit is likely male, 12 or 45, and African American



WHY BIKE LANES IN THE MOTOR CITY?



THE 'BIG PICTURE' VISION FOR DETROIT'S BICYCLE NETWORK

BUILDING A WORLD-CLASS BICYCLE NETWORK

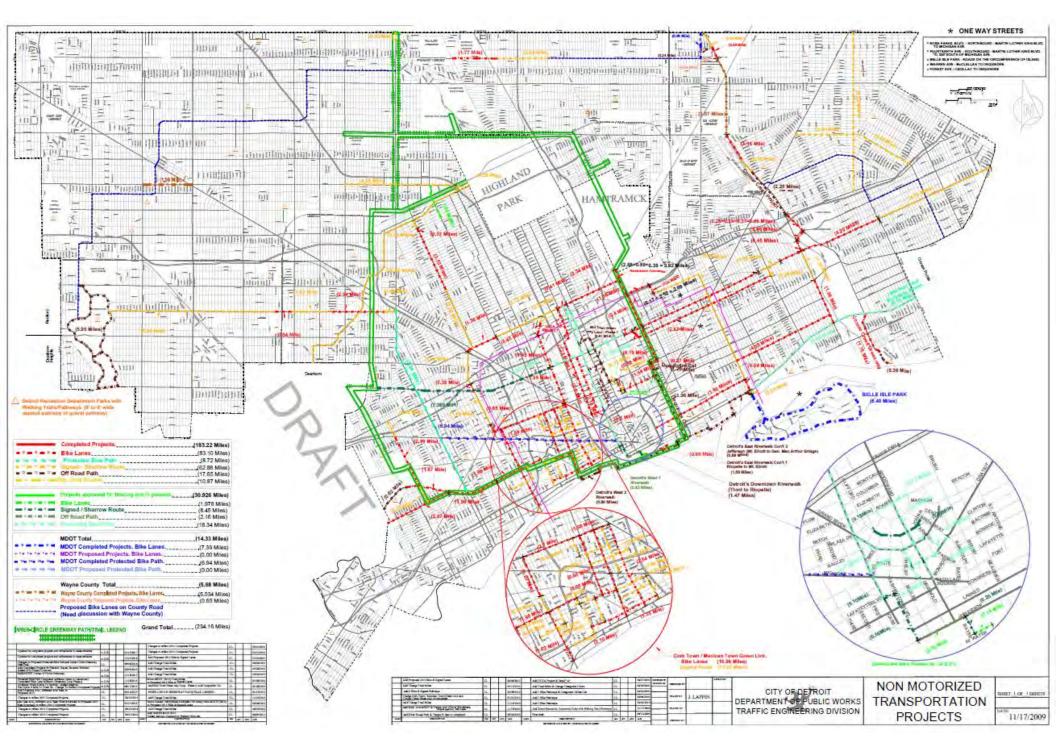
A COMPREHENSIVE BICYCLE NETWORK IS:

- Protected, connected, attractive, and accessible
- Meets quality standards that make residents of all ages and abilities feel safe & comfortable
- Clear and understandable

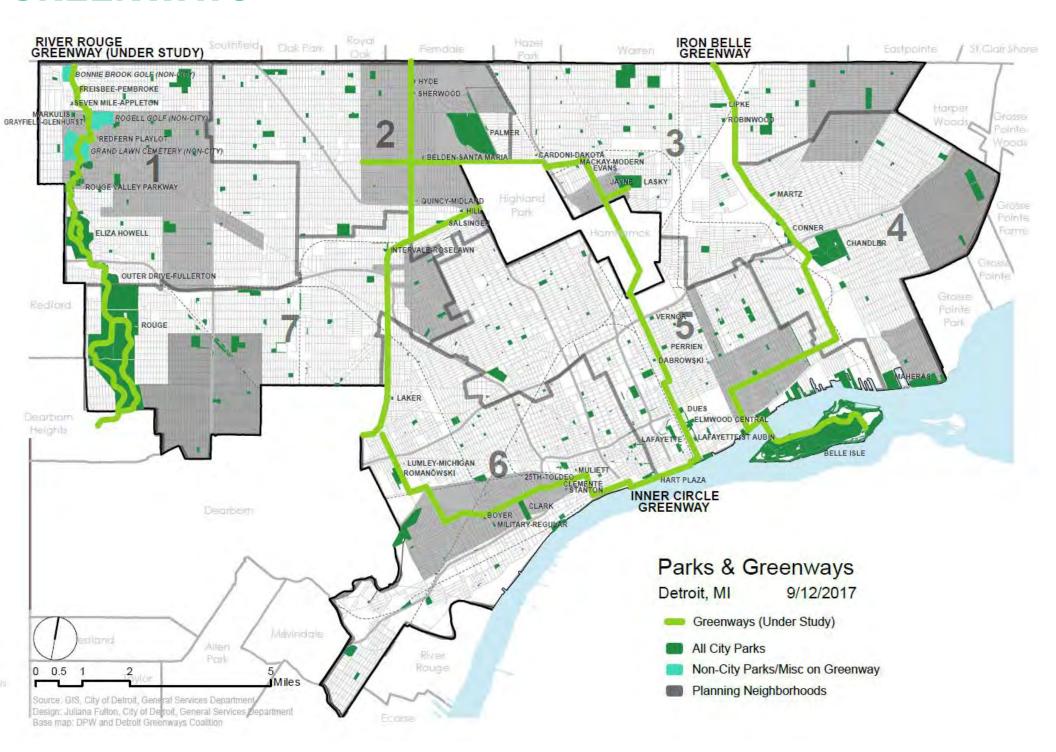




DPW NON-MOTORIZED NETWORK PLAN



GREENWAYS



THE VISION FOR DETROIT STREETS



MAINTENANCE

MAINTAINING BIKE LANES IN MICHIGAN



BIKE LANES 101

WHAT IS A BIKE LANE?



BIKE LANES

- Painted Bike lanes increase comfort and confidence by separating bicycle traffic flow from auto traffic
- Designated bike lanes increase predictability of bicyclist and motorist positioning



BUFFERED BIKE LANES

 Buffered Bike lanes are conventional bike lanes paired with a buffer space further separating the bike lane from the adjacent auto travel or parking lane



PROTECTED BIKE LANES:

- Protected Bike Lanes can use a variety of methods for physical vertical protection from vehicle travel lanes
- Barriers between the bike lane and motor vehicle travel lane could be curbs, planters, parked cars, or bollards

* ALWAYS RIDE WITH TRAFFIC OR IN THE DIRECTION AS MARKED!

PROTECTED BICYCLE NETWORK PROJECTS:

COMPLETED:



Cass Avenue



Michigan Avenue



Livernois Avenue

IN PROGRESS:



East Jefferson Avenue



Grand River Avenue



Warren Avenue

LESSONS LEARNED IN BIKE LANE IMPLEMENTATION

EAST JEFFERSON AVENUE

- Lesson: The parking lane in the Jefferson Chalmers area is too narrow and people do not feel comfortable parking and opening their doors
- Solution: The new striping plan includes wider parking spaces

LIVERNOIS AVENUE

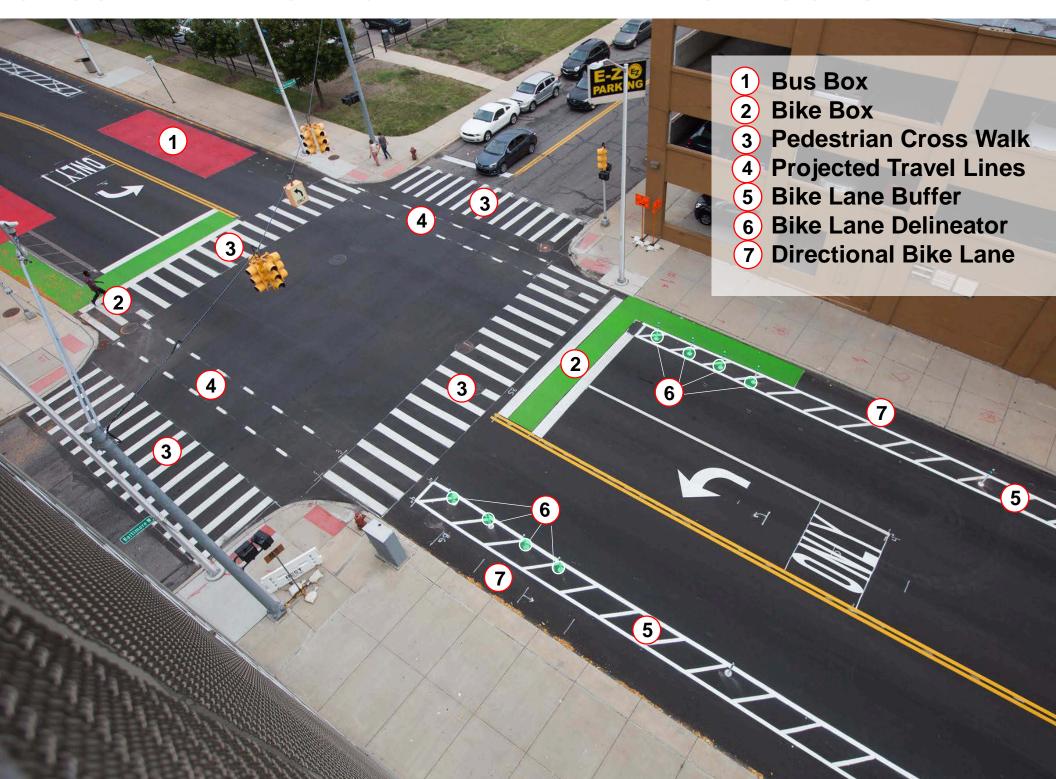
- Lesson: Without bollards or posts, it is confusing for drivers to know where to park and where the bike lane is
- Solution: We will be installing bollards for the entirety of the East Jefferson Project

MICHIGAN AVENUE

- Lesson: There is a lack of green paint to highlight vehicle/ bike conflict areas (intersections and driveways)
- Solution: We will be painting major driveways and intersections to help drivers be more aware of bikers and bikers be more aware of where drivers might be.



CASS AVE: PROTECTED BIKE INFRASTRUCTURE

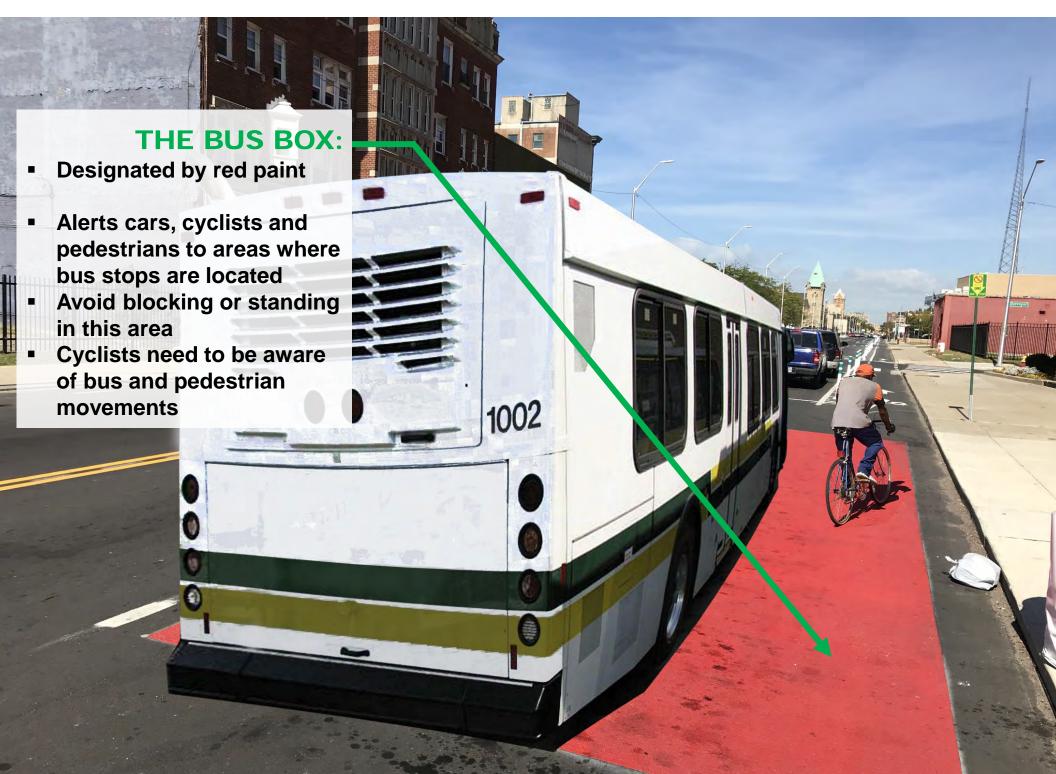






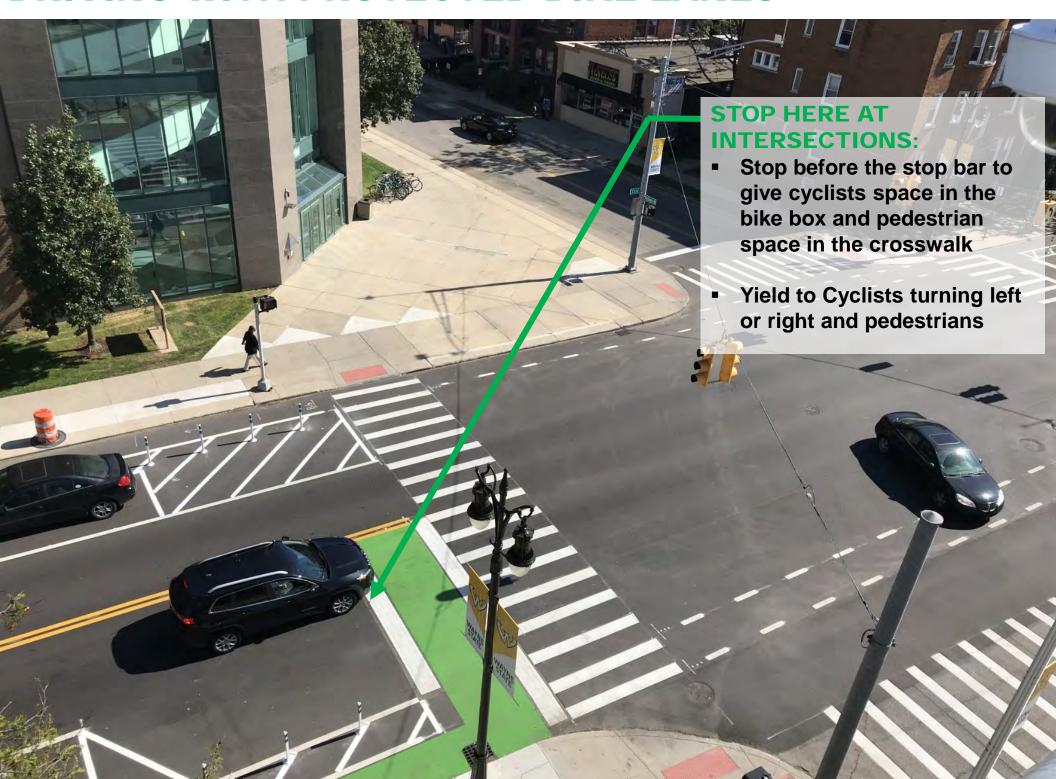






Driver Interaction

DRIVING WITH PROTECTED BIKE LANES



PARKING WITH PROTECTED BIKE LANES



DETROIT RIDES, TOGETHER.

DETREMTRIDES SAFETY & EDUCATION CAMPAIGN



September 2017

Detroit is building a future for everyone, and whether you walk, bike or drive, we ail move together



This fall, East Jefferson will become a safer street by reducing the number of lanes to improve traffic flow, slowing auto speeds and designating protected space for cyclists and pedestrians.



If you walk, blke, ride the bus or drive, you can expect the changes on East Jefferson to benefit residents of all ages and abilities.



KEY IMPROVEMENTS:

- · Traffic caming
- Protected bike lanes
- · Designated on-street parking
- Sa'er and additional pedestrian crossings
- Road re-striping

JOINT SAFETY EFFORT

- Detroit Rides began in spring 2017
- Created to provide safety education to all road users to help reduce traffic deaths and serious injuries
- Product of PDD and DPW's Bicycle and Pedestrian Safety and Education Work Group, including 32 stakeholders from local organizations
- Distributes educational information in print and online
- "Like" or follow Detroit Rides on Facebook and Instagram for updates on bike & pedestrian projects and events
- @Detroit_Rides

