



Baltimore City Bike Master Plan: Implementation Update



Baltimore City Bike Master Plan

- Updated/Reissued by Planning Commission in 2015
- Established goals and objectives to develop a comprehensive network of facilities for bicyclists and to implement safety strategies to increase bicycle usage
- Identified proposed bicycle routes based on street type and connectivity

The cover of the Baltimore City Bike Master Plan report features a green and white color scheme. At the top left is the 'dot' logo for the Department of Transportation, Baltimore City. Next to it is the 'BIKE Baltimore' logo with the tagline 'Go Green • Go Healthy • Go Bike!'. The main title 'BALTIMORE CITY BIKE MASTER PLAN' is centered in a large, bold, black font. To the right of the title is the City of Baltimore seal. Below the title are four photographs: a smiling couple in cycling gear, a group of cyclists on a street, a person standing next to a bicycle near a 'CHECK THE ROAD' sign, and two cyclists riding on a path. At the bottom right, the date 'MARCH 2015' is printed.

dot
DEPARTMENT OF TRANSPORTATION
BALTIMORE CITY

BIKE
Baltimore
Go Green • Go Healthy • Go Bike!

**BALTIMORE CITY
BIKE MASTER PLAN**

photo courtesy of Brian O'Doherty

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MARCH 2015



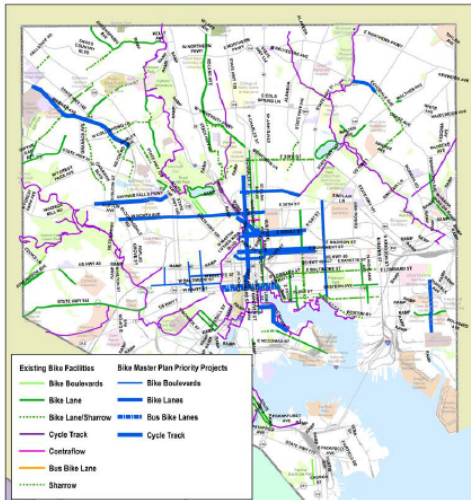
Baltimore City Bike Master Plan

- Identified a list of priority bike routes for implementation
- Set goal of an average of 17 bike lane miles installed per year to reach 253 bike lane miles by 2028

IV. PROPOSED BICYCLE ROUTES AND FACILITY TYPES

E. Existing and Proposed Routes

To create a more complete network, a new set of routes are proposed to better connect all areas of the city with bicycle infrastructure. The following Table 3 highlights the highest priority routes to be implemented within the next 5 years. The following maps depict all proposed routes disaggregated by either main routes, minor routes, neighborhood routes, and trails. The facility types for a main route would typically be either a bike lane, buffered bike lane, or cycle track. The facility type for a minor route would typically be a sharrows, shared bus/bike lane, or a contraflow lane. The facility type for a neighborhood route would typically be a bike boulevard or a bike cut-through. Trails would typically be off road trails or designated sidepath trails. Facility types for each route are suggestions, but should be determined after a more detailed feasibility study is conducted.



Existing Bicycle Network and Priority Projects, 2015

Table 3: Priority Bike Routes for Implementation

Roadway	Limits	Facility Type
Maryland Avenue	29th Street to Pratt Street	Two-way Protected Cycle Track
Lombard/Pratt Street	Frederick Avenue to South Broadway	Bus/Bike lanes
Preston and Biddle	Eutaw Street to N. Gay Street	Bike Lanes
Madison/ Monument/ Centre	Eutaw Street to Washington Street	Bike Lane/ Cycle Track
West Baltimore Bike Boulevards	Various	Bike Boulevard
Key Highway	Light Street to Lawrence Street	Protected cycle track or buffered bike lanes
Mount Royal Avenue Cycle Track	St. Paul Street to Lafayette	Two-Way Cycle Track on North Side
North Avenue	Hilton to Greenmount	Bike Lane
25 th Street	Charles to Hillen Road	Bike Lane
Martin Luther King Jr. Boulevard Sidepath	Eutaw Street to Washington Boulevard	Side Path
Gwynns Falls Parkway	Chelsea Terrace to Pennsylvania Avenue	Protected Bike Lanes
Echodale	Harford to Herring Run	Bike Lanes
Patterson Park Ave	Sinclair Lane to Essex Street	Sharrows/Climbing Bike Lanes
Gus Ryan	Holabird to Bank Street	Bike Lanes
Wabash Avenue	Patterson Avenue to Hilton Road	Protected Bike Lanes



Mayor's Bicycle Advisory Commission

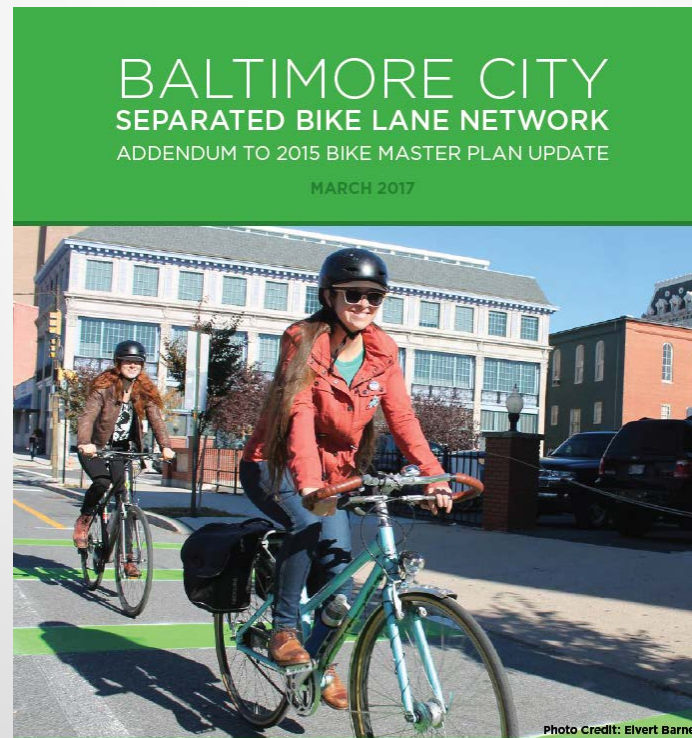
- Created in March 2015 by Mayor Rawlings-Blake to help get us from “as-is” to a more bikeable and bike-friendly future
- Mayor Pugh re-authorized the Commission on taking office





Separated Bike Lane Network Addendum

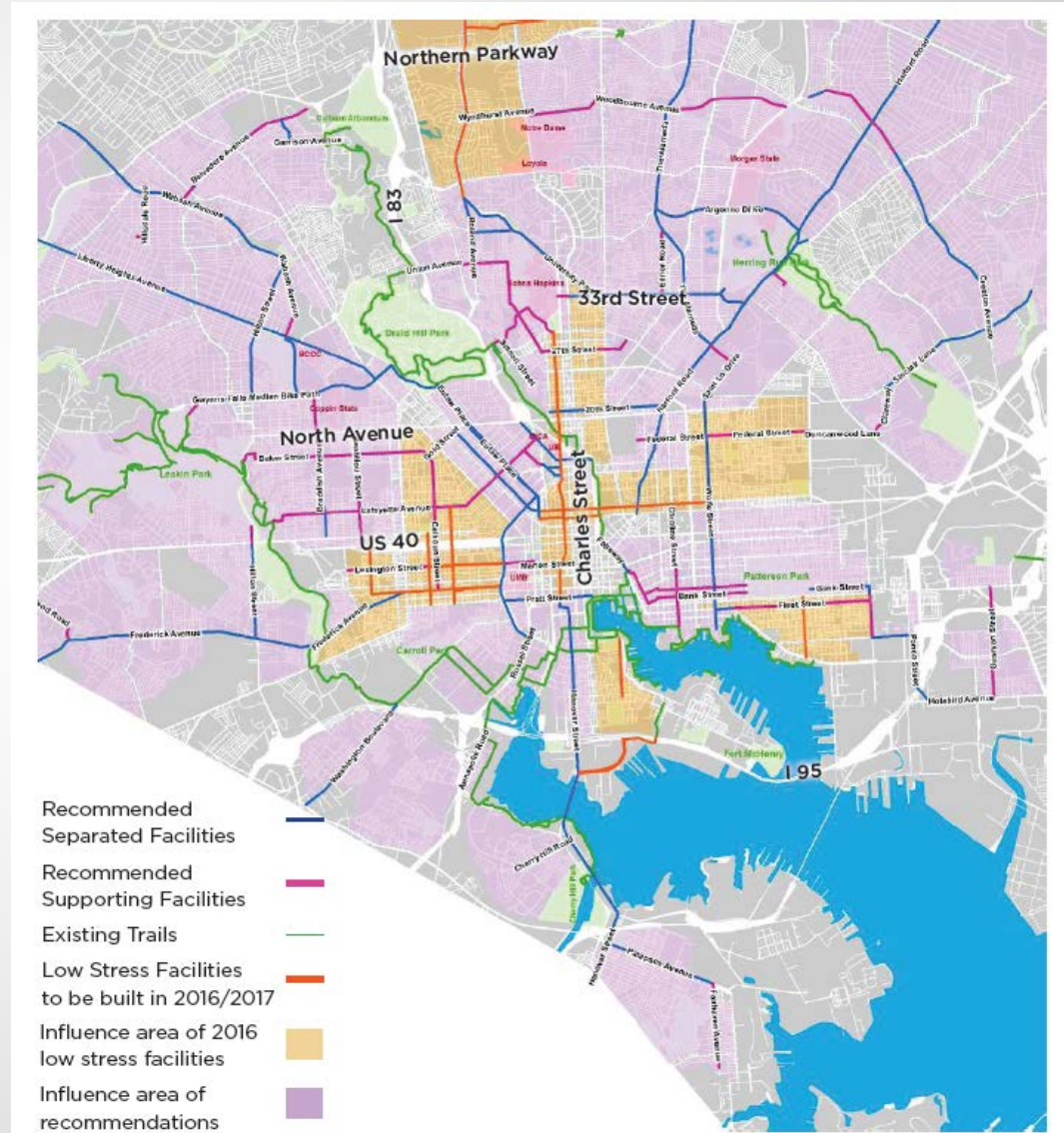
- Conducted by DOT at request of Bicycle Commission
- Adopted by Planning Commission in 2017
- Identified need to connect low-stress facilities to provide all ages access through 77 miles of separated facilities
- Emphasis on protected facilities





Separated Bike Lane Network Addendum

Recommended separated and supporting facilities to connect low-stress islands





Maryland Ave Cycletrack





Potomac Street Cycletrack



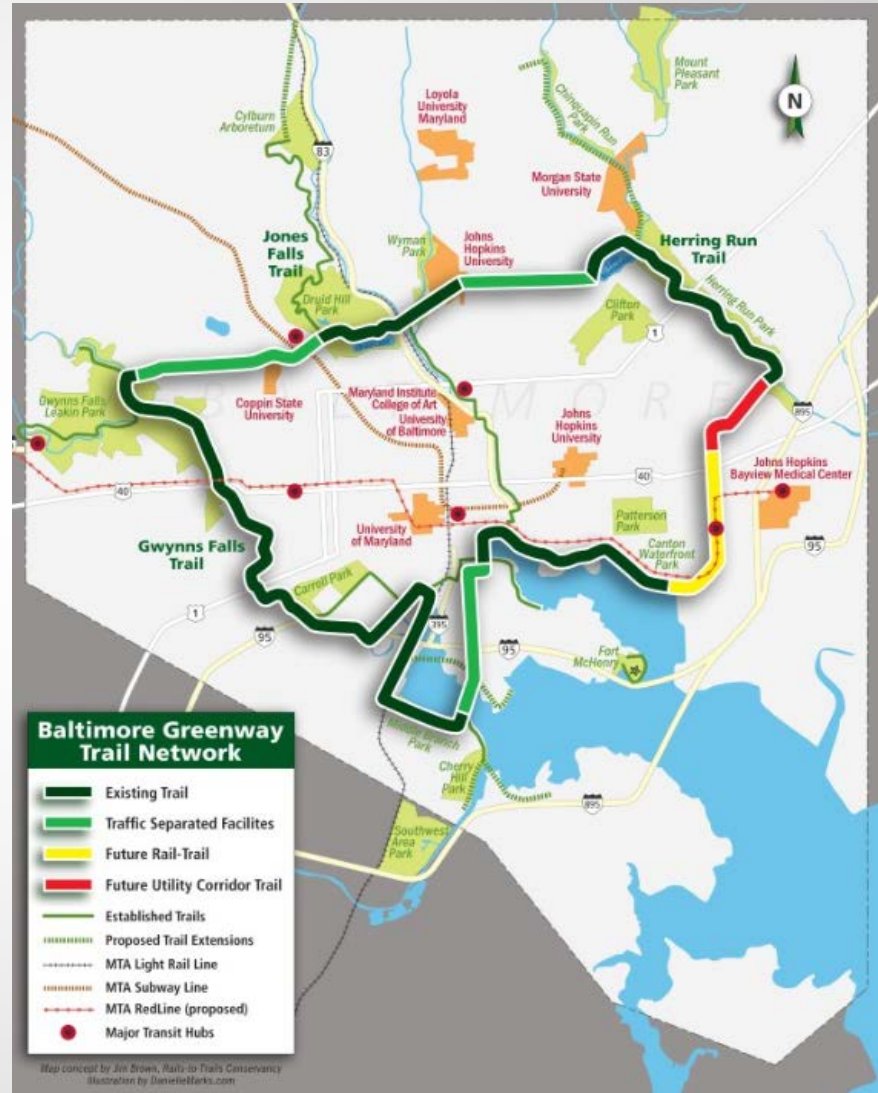


Baltimore Greenway Trail Network

One of 8 TrailNation projects in the U.S.

Continuous 35-mile loop for bikes and pedestrians

Only 10 additional miles are needed to close critical gaps through 50 neighborhoods and help reverse long-standing urban fragmentation

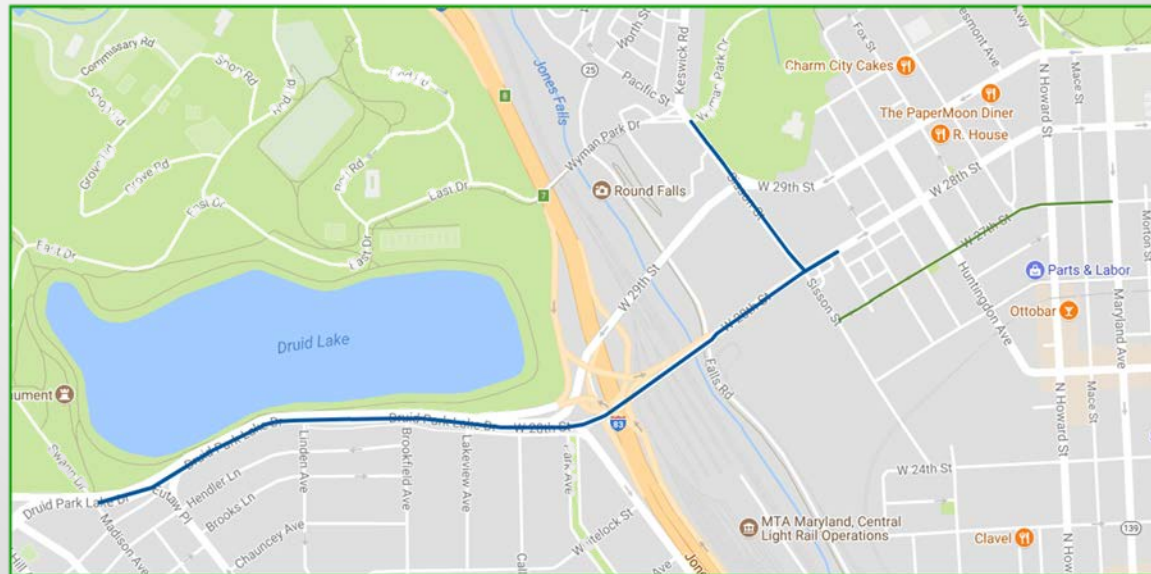




Big Jump Project

Big Jump Project – People for Bikes

- Water protected facility Druid Park Lake Drive/28th/Sisson
 - Two community meetings scheduled – Apr 23/26
 - Goal is construction and kick off in May 2018
- Sharrows/counterflow 27th St
 - Goal is construction in Summer 2018





FY19 Capital Improvement Program (CIP)

FY19 CIP

- \$950,000 committed funds
- \$1.7 million in proposed federal and state grants
- \$2.65 million total FY19 funding

508-019 Citywide Bike Infrastructure

Description: Install bike infrastructure throughout the city, including markings, cycle tracks, protected bike lanes, signals, bike racks, and dedicated off-street bike trails.

Location: City-wide

Impact on FY 2019 Operating Budget : 0

Source of Funds	Appr. to date	2019	2020	2021	2022	2023	2024	Total
506 Federal Highway Transportation Funds	3,540	500	1,600	400	400	400	400	7,240
508 Federal Transportation Enhancement Grants	0	400	0	0	0	0	0	400
690 Other State Funds	725	1,300	0	0	0	0	0	2,025
800 General Funds (HUR Eligible)	1,084	450	400	100	100	100	100	2,334
Total	5,349	2,650	2,000	500	500	500	500	11,999



FY19 CIP Projects

	Type	Limits	Road Miles	Lane Miles	Existing Grant	Existing General Funds	Proposed Grant	Proposed General Fund	Total Cost
Eutaw Place	Cycle Track/Buffered Lanes	Druid Hill to Druid Park Lake	1.7	2.9	FY 18 \$70,000	FY 18 \$14,000		FY 19 CIP 506 Federal Highway Transportation Funds \$346,000 FY 19 CIP 800 General Fund \$70,000	\$500,000
St Lo Drive	Cycle Track/Buffered Lanes	North to Harford	0.8	1.5			FY 19 CIP 690 Other State Funds (Bikeways) \$240,000	FY 19 CIP 800 General Fund \$60,000	\$300,000
University Parkway	Cycle Track	Calvert to Roland	1.3	2.6			FY 19 CIP 690 Other State Funds (Bikeways) \$433,000	FY 19 CIP 800 General Fund \$87,000	\$520,000
W Pratt Street	Cycle Track	MLK to Light	0.8	1.6	FY 16 \$300,000	FY 16 \$60,000		FY 19 CIP 800 General Funds \$140,000	\$500,000
Greenway Trails Network - 33rd St/Middle Branch Connection	Shared Use Path	Hillen St to St Paul St/Middle Branch to Inner Harbor					FY 19 CIP 508 Federal Transportation Enhancement Grants (TAP) \$400,000	FY 19 CIP 800 General Fund \$80,000	\$480,000



2018 Construction – Ongoing Projects

	Type	Limits	Road Miles	Lane Miles	Completion
Jones Falls Trail Extension	Trail	Cylburn Arboretum to Mt Washington Lt Rail	4.3	8.5	• 2019
Key Highway Trail	Trail	William to Covington St	.02	.04	• 2019
Mount Royal Streetscape	Cycle Track	St Paul St to Lafayette Ave	.50	1.0	• 2019



2018 Construction – New Projects

	Type	Limits	Road Miles	Lane Miles	Funding	2018 Timeline
Covington Street	Cycle Track/ Sharrows/ Counterflow	Key Highway to Fort Avenue	.50	1.0	<ul style="list-style-type: none"> • \$91,350 FY 18 Bikeways • \$18,270 FY 18 General Fund 	<ul style="list-style-type: none"> • Community Outreach: Mid-April • Revise Plans: Spring/Summer • Construction: Late Summer/Fall
33rd Street	Cycle Track	St Paul St to Charles St	.02	.03	<ul style="list-style-type: none"> • Developer Agreement 	<ul style="list-style-type: none"> • Construction: Summer
Gusryan Street	Cycle Track	Eastern Ave to Boston St	.70	1.4	<ul style="list-style-type: none"> • Repaving 	<ul style="list-style-type: none"> • Community Outreach: Spring • Revise Plans: Early Summer • Construction: Late Summer
Lake Avenue	Bike Lane/ Cycle Track	Charles St to Roland Ave	.50	1.0	<ul style="list-style-type: none"> • Repaving 	<ul style="list-style-type: none"> • Design: Spring • Community Outreach: Late Spring • Revise Plans: Summer • Construction: Fall
N High Street	Bike Lane	Hillen St to Fallsway	.20	.30	<ul style="list-style-type: none"> • Repaving 	<ul style="list-style-type: none"> • Design: Spring • Construction: Summer
Sinclair Lane	Bike Lane/ Cycle Track	Moravia to Frankford	.50	1.0	<ul style="list-style-type: none"> • Repaving 	<ul style="list-style-type: none"> • Design: Spring • Community Outreach: Late Spring • Revise Plans: Early Summer • Construction: Late Summer/Fall



2018 Design

	Type	Limits	Road Miles	Lane Miles	Funding	Project Timeline
20th Street	Cycle Track/ Bike Lane/ Sharrows	Bonaparte to Howard	1.0	2.0	<ul style="list-style-type: none"> \$250,000 North Avenue Rising Tiger Grant 	<ul style="list-style-type: none"> Design: Summer/Fall 2018 Community Outreach: Summer/Fall 2018 Construction: Summer 2019
Baker Street/ Druid Hill Ave	Cycle Track/ Sharrows	Bloomingdale to North Ave	1.6	3.2	<ul style="list-style-type: none"> \$176,000 North Avenue Rising Tiger Grant 	<ul style="list-style-type: none"> Design: Summer/Fall 2018 Community Outreach: Summer/Fall 2018 Construction: Summer 2019
Melrose Avenue	Sharrows/ Pedestrian Upgrades	Roland Ave to Bellona Ave	.9	1.8	<ul style="list-style-type: none"> \$99,600 FY 17 Bikeways (Minor Retrofit) 	<ul style="list-style-type: none"> Community Outreach: Spring 2018 Revise Plans: Summer 2018 Construction: Spring 2019
MLK Jr Sidepath	Shared Use Path	Druid Hill Ave to W Hamburg St	1.45	2.9	<ul style="list-style-type: none"> \$41,280 FY 17 Bikeways (Design) 	<ul style="list-style-type: none"> Design: Summer/Fall 2018 Community Outreach: Winter 2018/2019 Revise Plans: Fall 2019 Apply for Construction Grant: Spring 2019
Arlington Avenue Greenway	Sharrows/ Pedestrian Upgrades	Hollins Market to Pigtown Mainstreet	.05	1.0	<ul style="list-style-type: none"> \$80,000 FY 17 Bikeways (Design) 	<ul style="list-style-type: none"> Design: Spring/Summer 2018 Community Outreach: Spring/Summer 2018 Revise Plans: Winter 2019 Apply for Construction Grant: Spring 2019



Compiled Construction Timeline

2018		
Covington Street	Cycle Track/ Sharrows/ Counterflow	1.0
33 rd Street	Cycle Track	.03
Gusryan Street	Cycle Track	1.6
Lake Avenue	Bike Lane/ Cycle Track	1.0
N High Street	Bike Lane	.30
Sinclair Lane	Bike Lane/ Cycle Track	1.0
Madison Street	Bike Lane	1.7
Centre Street	Cycle Track	1.2
W Baltimore Bike Blvd	Sharrows	6
Big Jump	Temp Shared Use	2.4
W 27 th Street	Sharrows	.70
Total Lane Miles		16.93

2019		
Jones Falls Trail	Trail	8.5
Key Highway Trail	Trail	.04
Mount Royal Streetscape	Cycle Track	1.0
20 th Street	Cycle Track/ Bike Lane	2.0
Baker St	Cycle Track/ Sharrows	3.2
Melrose Ave	Sharrows	1.8
Total Lane Miles		16.54

2020		
**St Lo Drive	Cycle Track/ Bike Lane	1.5
**University Pkwy	Cycle Track	2.6
**MLK Jr Sidepath	Shared Use Path	2.9
**Arlington Ave	Sharrows	1.0
Eutaw St	Cycle Track/ Bike Lane	2.9
W Pratt St	Cycle Track	1.6
Total Lane Miles		12.5

**Dependent on Competitive Grant Award



Unfinished Projects

Downtown Bicycle Network

- **Maryland/Cathedral Ave**
 - Working with BCFD on modifying certain areas
 - Goal is redline changes complete in 2018
- **Madison/Centre Streets**
 - Working with BCFD on redesign
 - Maintain as much protected facility as possible
 - Goal is construction complete in 2018
- **Monument Street**
 - Construction complete in 2018



Fire Code Conformity

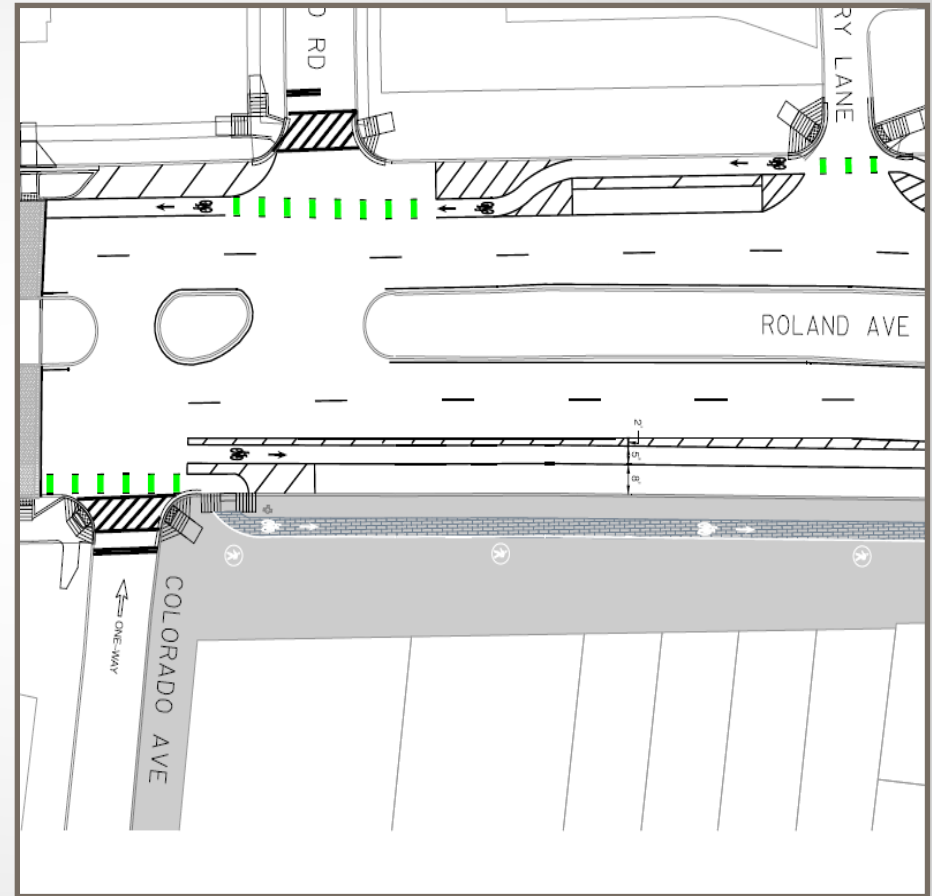
- Finalized procedures for review process with BCFD
- 100% in kind repaving projects do not require review
- Any change to existing conditions requires review
- Major projects require review at 30%, 60%, 90%
- Will continue to work with BCFD on future projects





ROLAND AVENUE

- **Community meeting rescheduled**
- **Introduction of speed cameras, traffic officer**
- **Proposed modifications to address concerns**
- **Pilot project reduction to one lane**

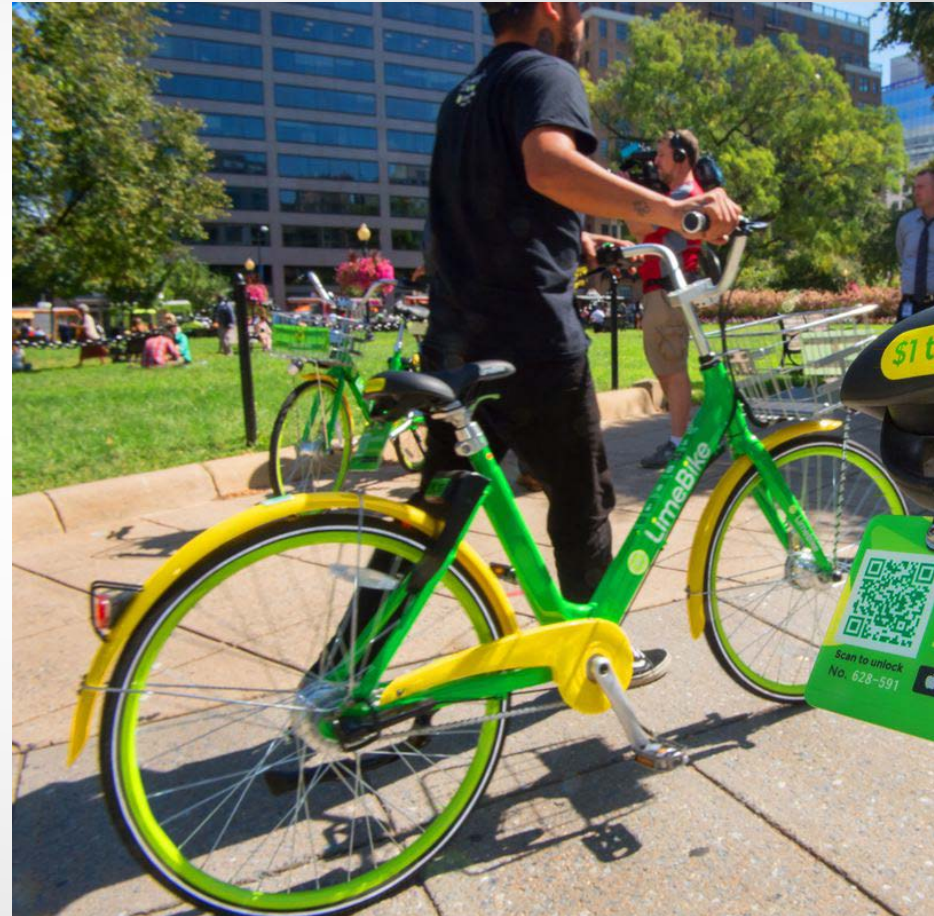




Dockless Bike Share Policy

Policy Development

- Similar to other cities, going to implement pilot program allowing dockless bikeshare
- Working out details of permitting, costs, and reporting requirements
- Goal is to have policy developed by May/June





BIKE-FRIENDLY

Bicycle-Friendly Business Initiative



SILVER

**BICYCLE
FRIENDLY
BUSINESS**

**THE LEAGUE
OF AMERICAN BICYCLISTS**



BALTIMORE BIKE SHARE

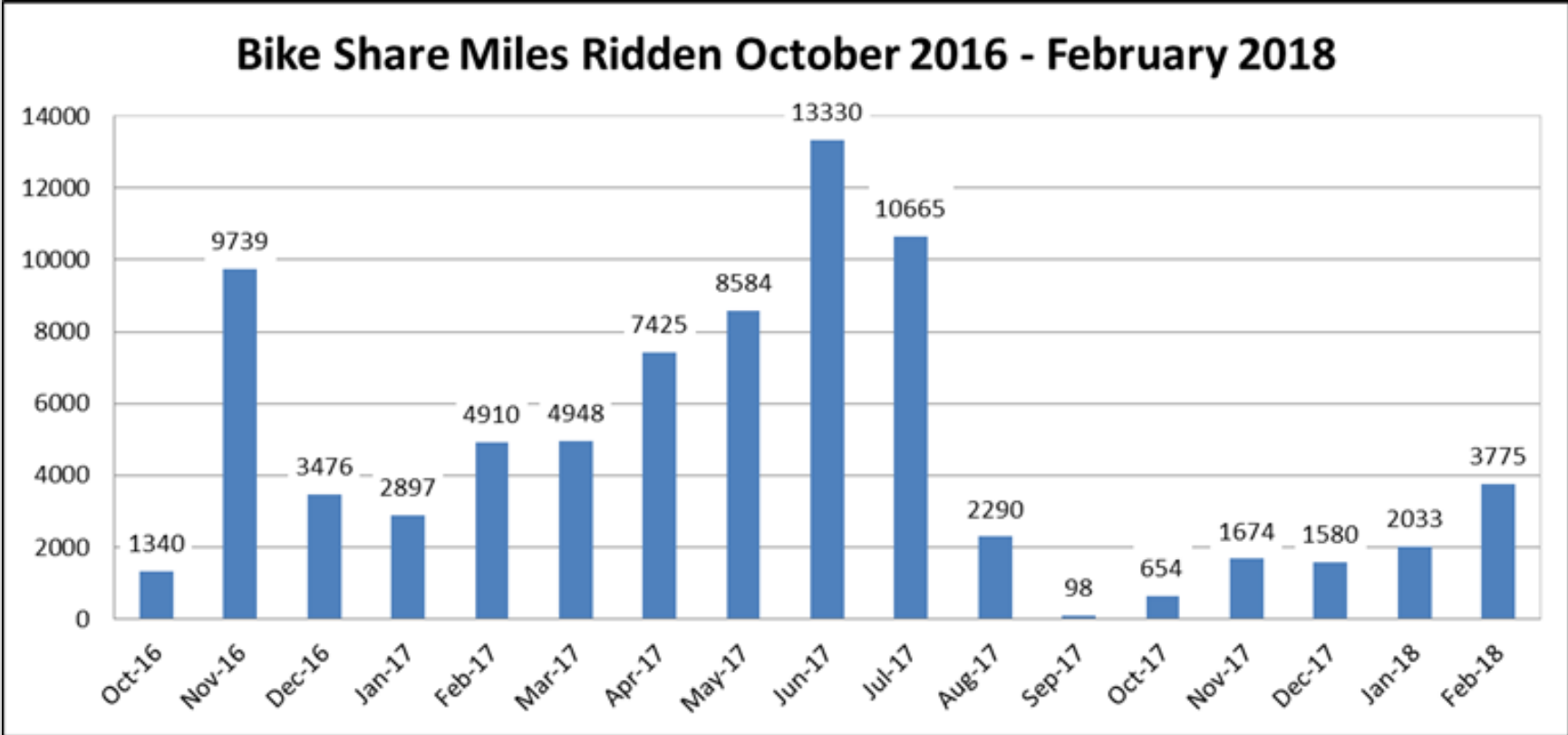
Update

- **39 Stations open towards 50 funded**
- **4 more stations will come on line this Spring/early Summer**
- **Bikes in circulation will significantly increase April-June**

- **Bike Share Coordinator position should be posted in late April/early May**



BALTIMORE BIKE SHARE





Bike to Work Day

Bike to Work Day 2018



Anne Arundel County Baltimore County Baltimore City Carroll County Harford County Howard County

Friday, May 18, 2018