

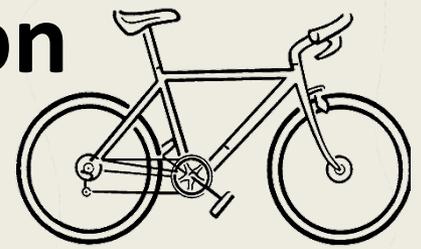


Gaithersburg

Bike Master Plan Implementation Strategy

December 9, 2013 – Mayor & City Council

2009 Master Plan: Transportation Adopted September 2010



- Combined the 1997 (adopted in 1999) Bikeways & Pedestrian Plan with the 1997 Transportation Master Plan Element
- Multi-modal plan which included all modes of transportation



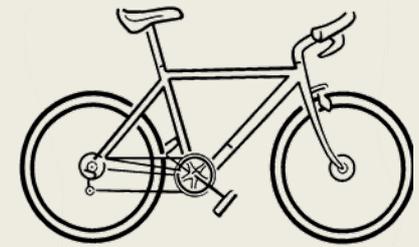
- Constructing & maintaining a safe & convenient bicycle and pedestrian network
- 21.3 Miles On-Road Facilities inventoried
- 30.7 Miles Off-Road Facilities inventoried
- Bicycle access & connectivity



- Bikes need two points for stability and to enable locking.
- Not all bike racks function well; the inverted “U” style, lollipop & a style that locks the frame are preferred.
- Racks should be located to provide security by making them highly visible and well-lighted and located near entrances.



BICYCLING PROMOTIONS



EXISTING PROGRAMS

- Car Free Days
- Student Union Bicycle Program
- Bike to Work Day

PARK IT.
for a whole day or more, September 20-22, 2013

CAR FREE DAYS
METRO DC
SEPT 20-22
2013

friday through sunday
(the whole weekend!)

TAKE THE FREE PLEDGE AT
WWW.CARFREEMETRODC.ORG
FOR A CHANCE TO WIN AN iPad,
& OTHER GREAT PRIZES!

See website for other prizes,
local activities and
promotions in your area.

share a ride
PARK & RIDE
METRO
rollerblade
shop
Loca
WORK FROM HOME
TAKE YOUR KIDS TO THE PARK
CATCH UP W/ FRIENDS
VANPOOL
DRIVE LESS
EXPLORE
take a walk
COMBINE YOUR ERRANDS
dream
Read a Book
carpool to the office
ride a bike
SMILE

COMMUTER CONNECTIONS
www.carfreemetrodc.org
800.745.RIDE

© 2013 Metro DC

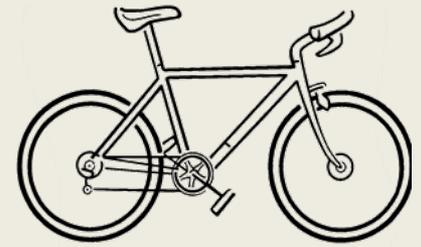
Student Union – Bicycle Riding & Repair



Bike to Work Day 2013



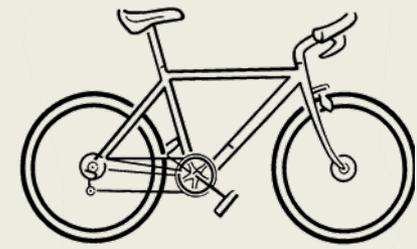
BICYCLING PROMOTIONS



FUTURE IDEAS

- Bike Rodeo & Safety Demo
- Bicycle Outings
- Bike the Parks
- Cyclovia
- Bike Rally

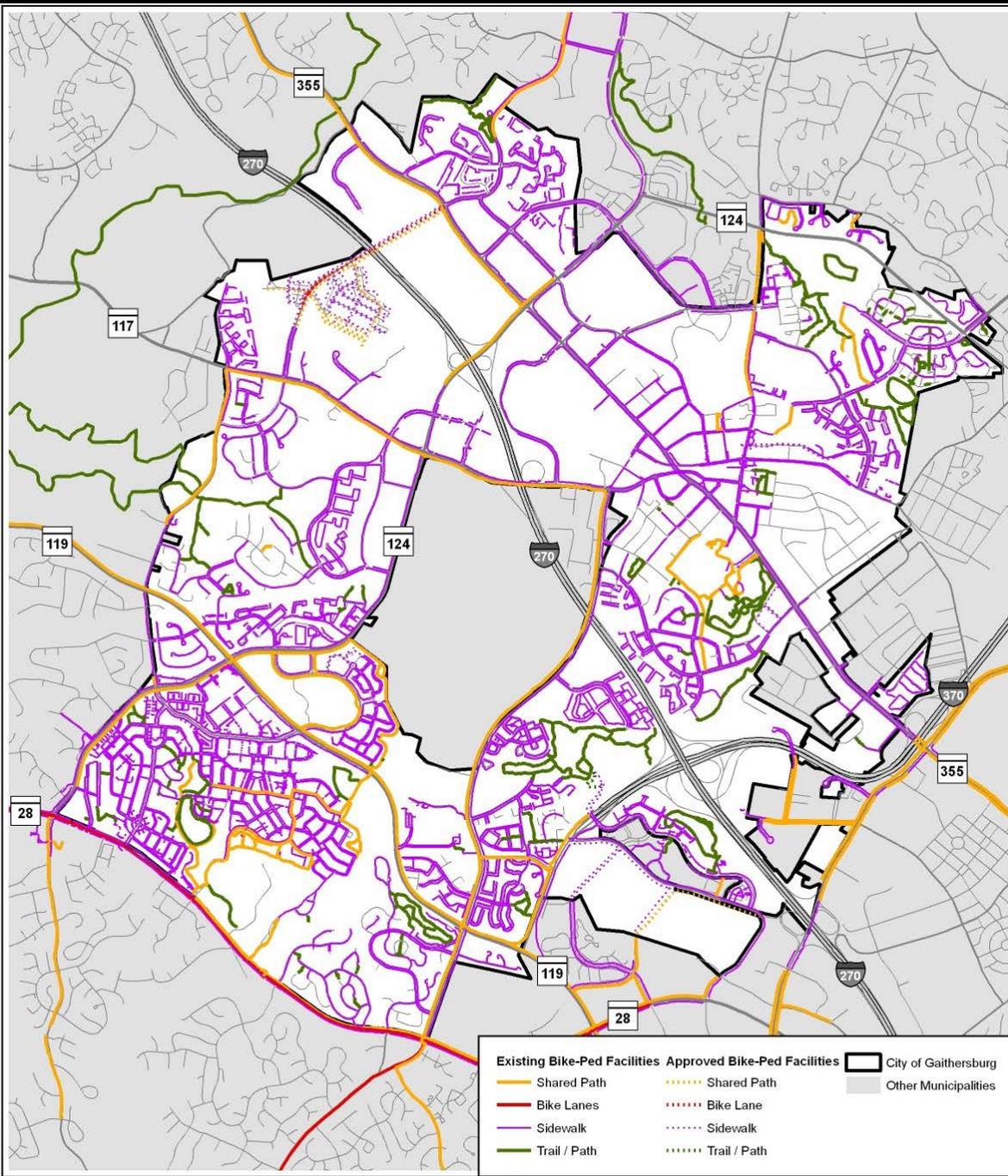


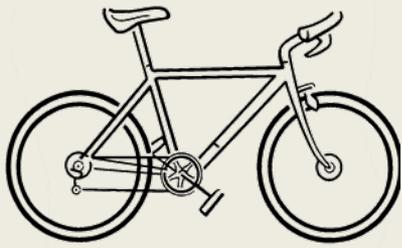


Existing Bicycle & Pedestrian Facilities

2009

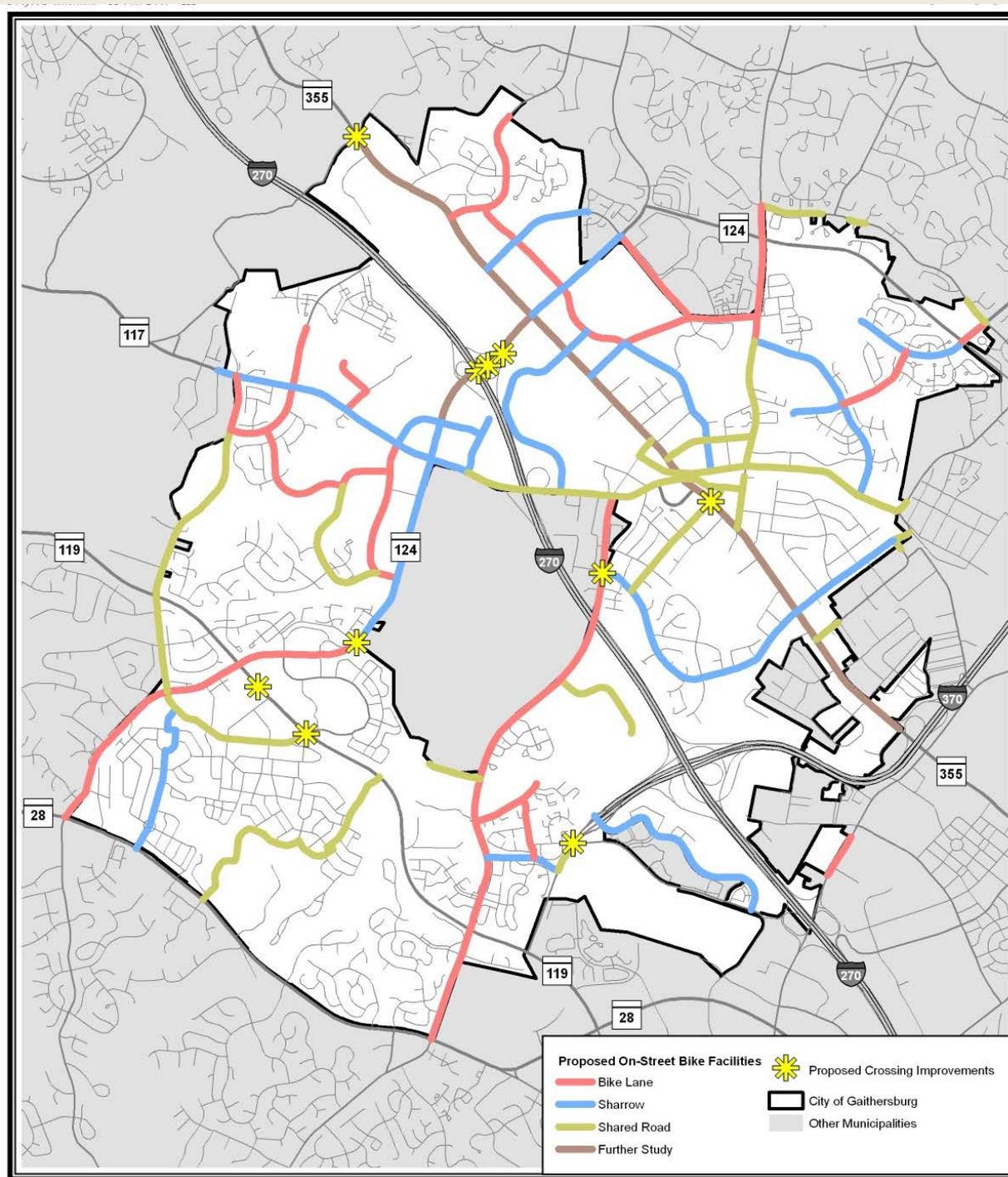
Transportation
Element of the
Master Plan Map





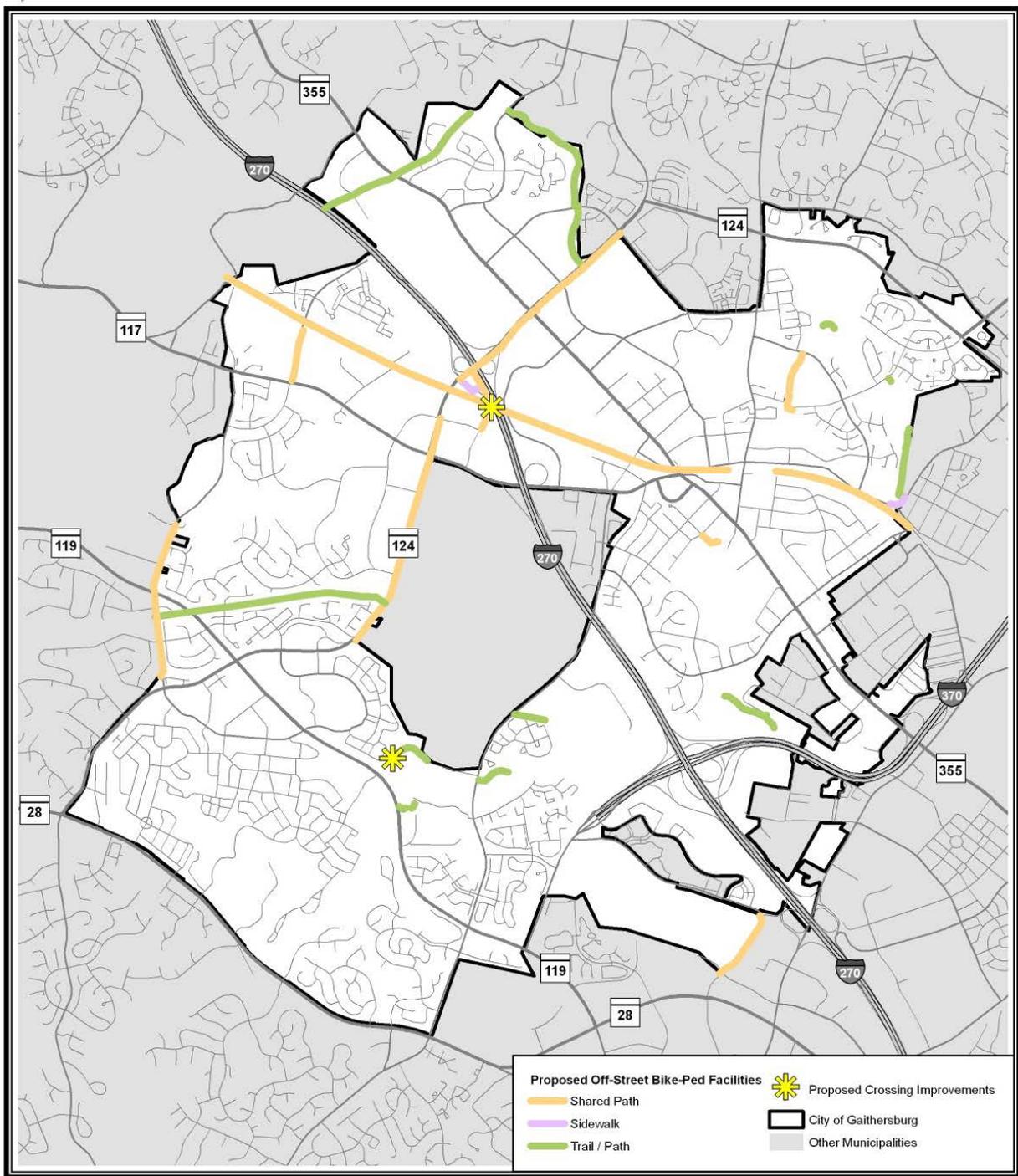
On-Road Bicycle Facilities

Adopted by the
Transportation
Element of the
Master Plan 2009

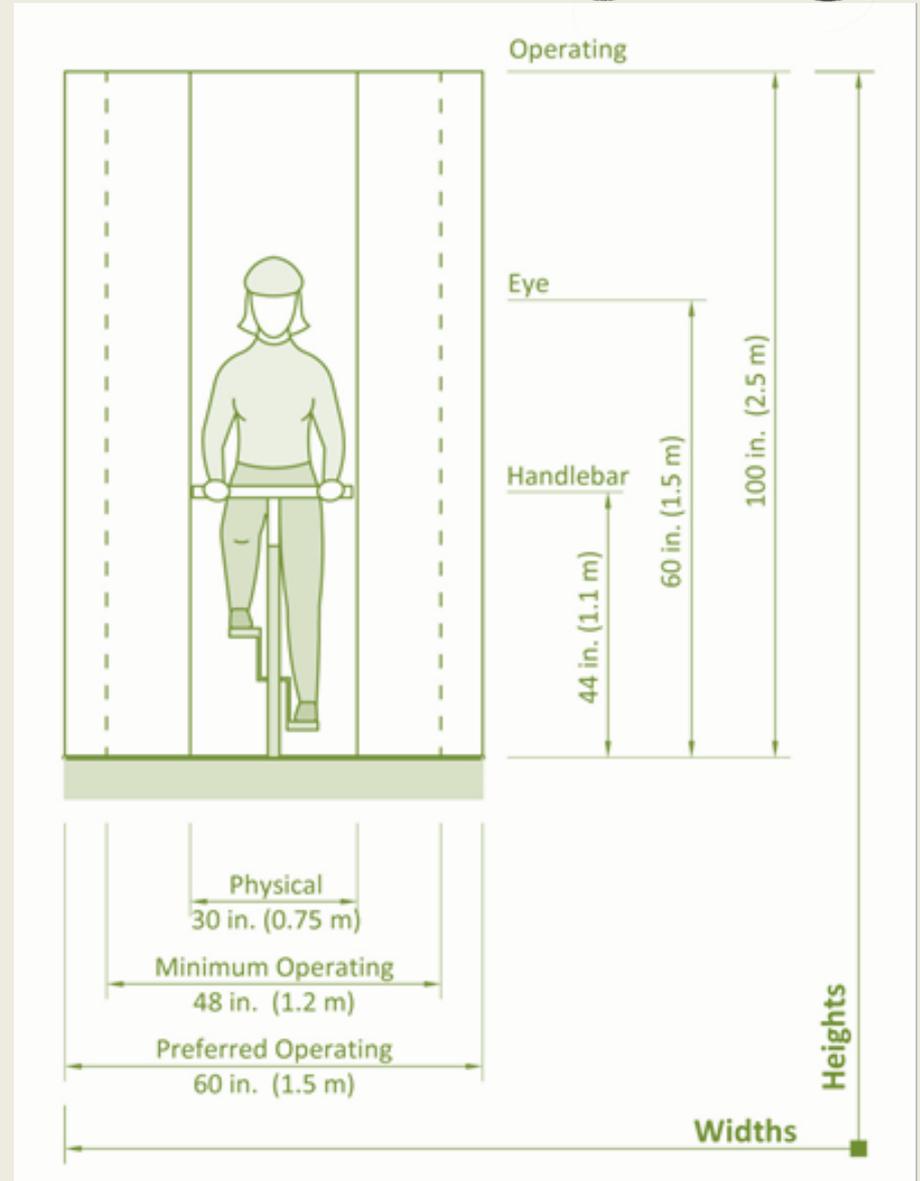
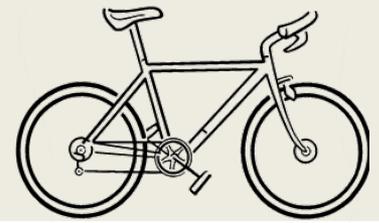


Off-Road Bicycle and Pedestrian Facilities

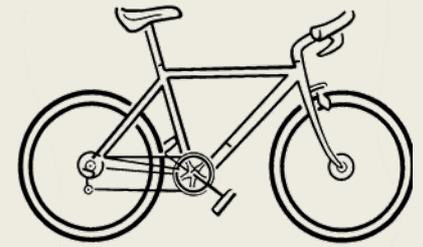
Adopted by the Transportation Element of the Master Plan 2009



Bicycle Operating Space



Shared Road

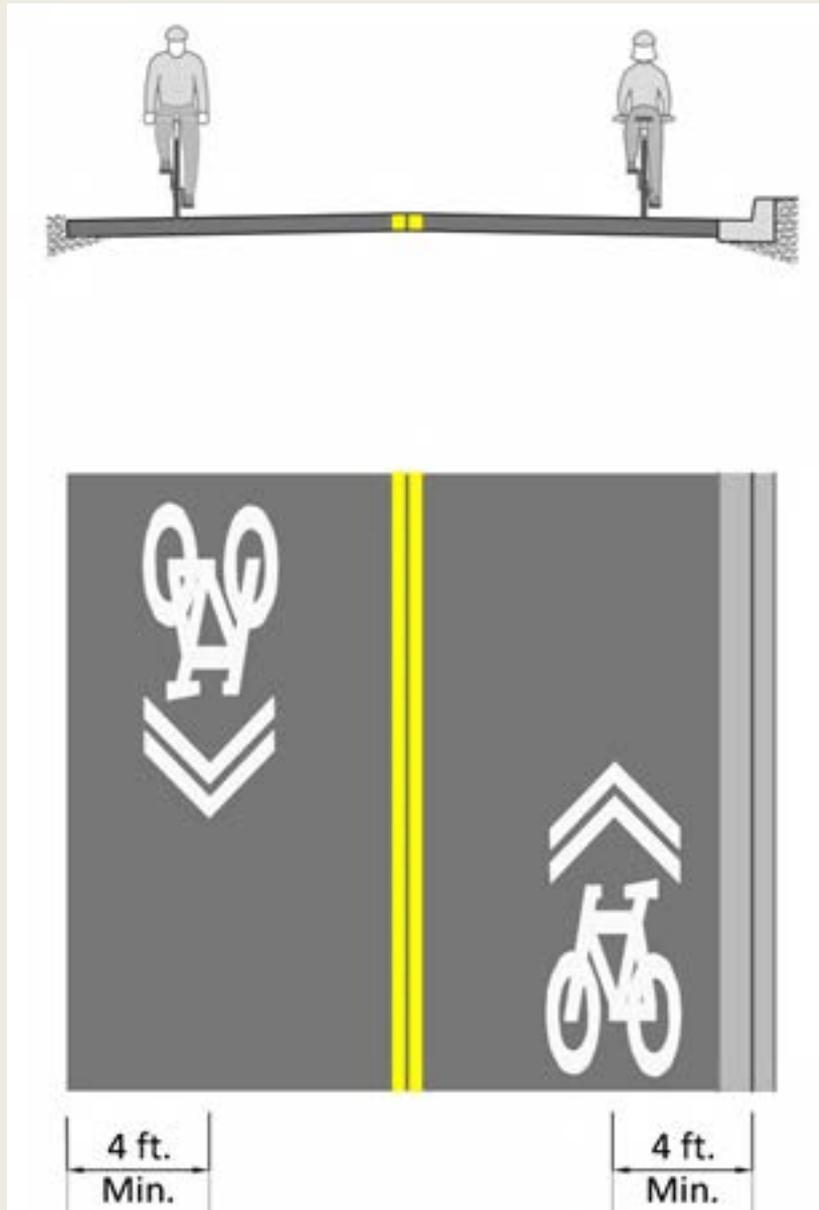


Cost: Signage & Installation

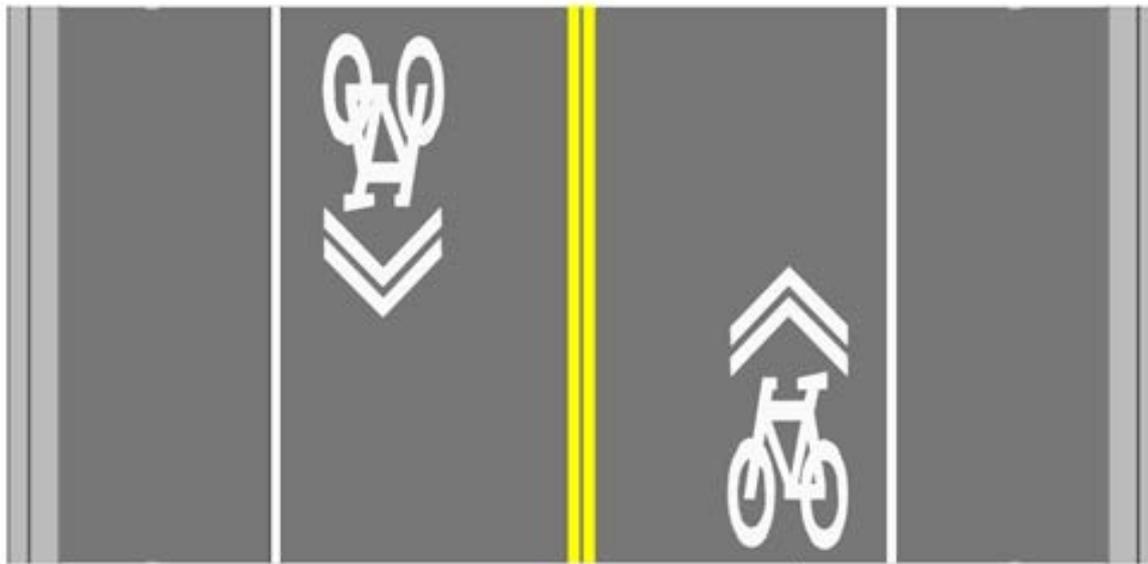
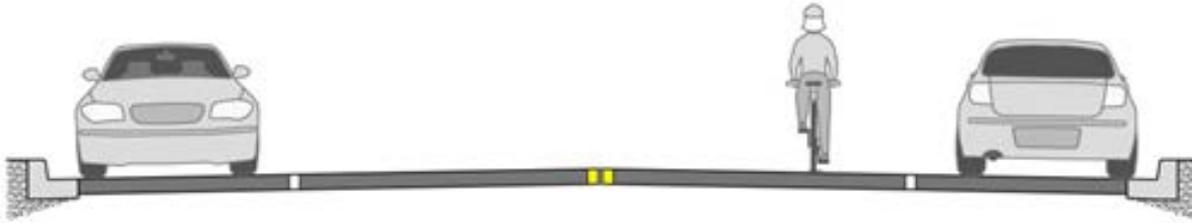
\$30 per sign Installed by Public Works

2 Signs/ 800 Linear Feet

Marked Shared Lanes - Sharrows

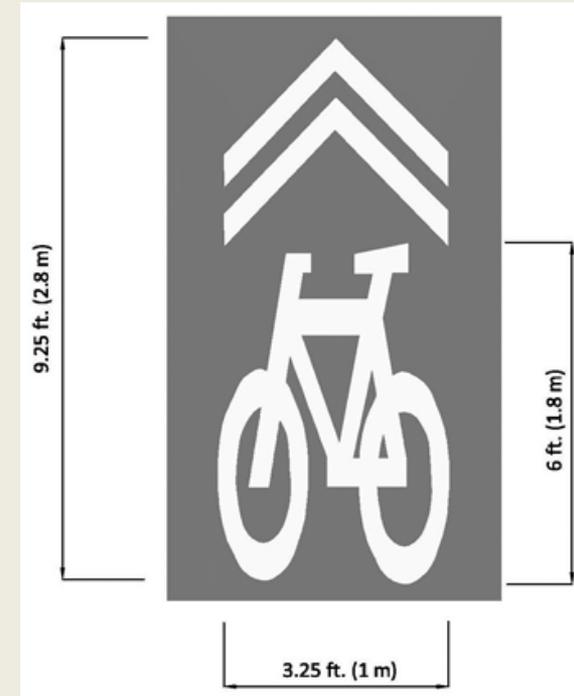


Marked Shared Lanes – Sharrows with Parking



11 ft. Min. (3.4 m)

11 ft. Min. (3.4 m)



Marked Sharrow Costs

Sharrows placed after each intersection and spaced every 250 to 600 feet

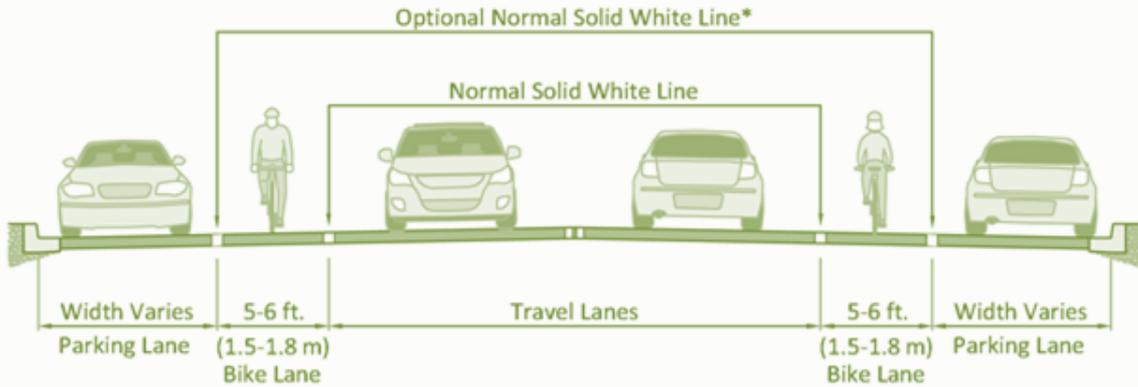
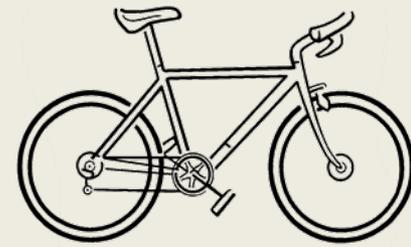
Cost Options—

Thermo Marking **\$127** Each

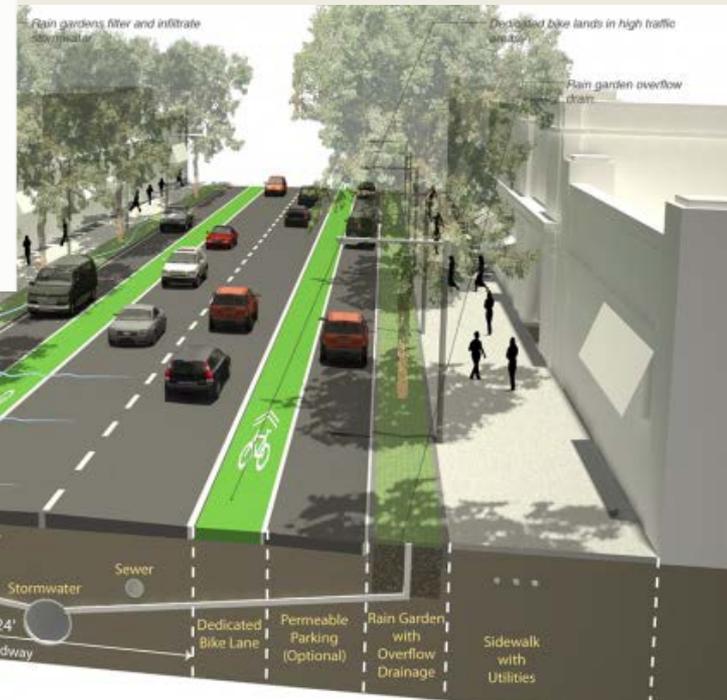
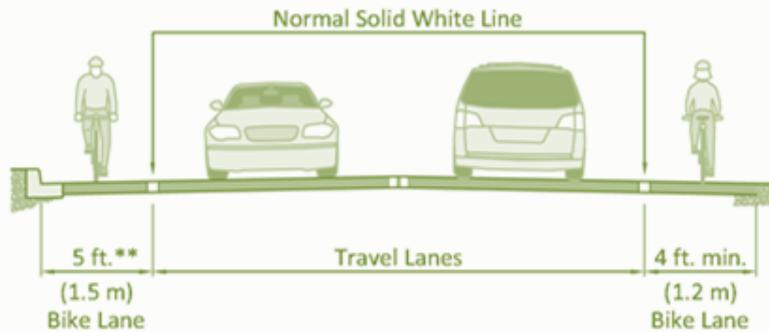
Initial Cost of Stencil **\$250** and Paint

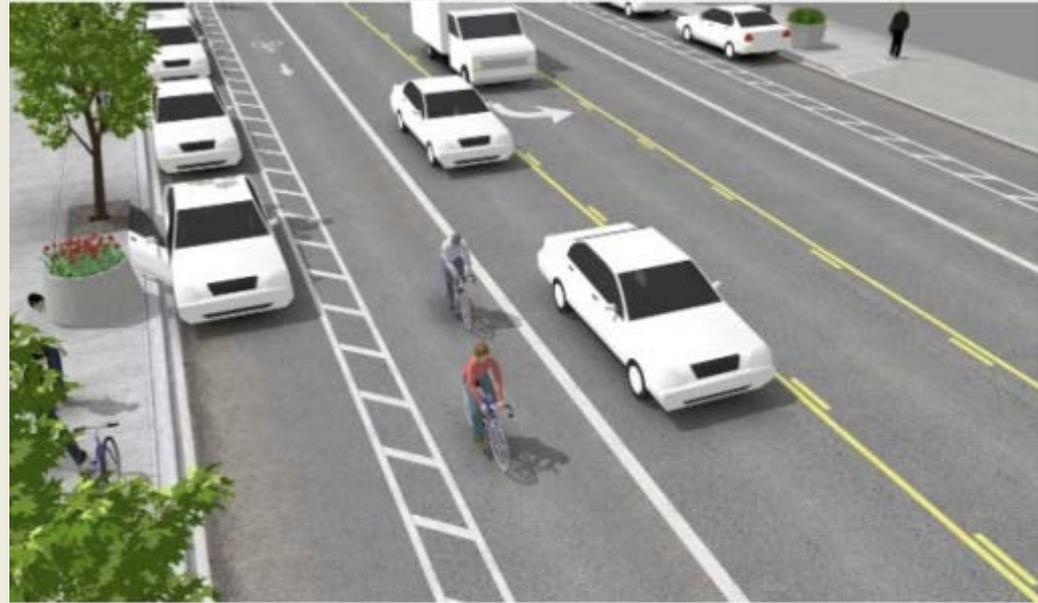
Installation done by Public Works

Bicycle Lane

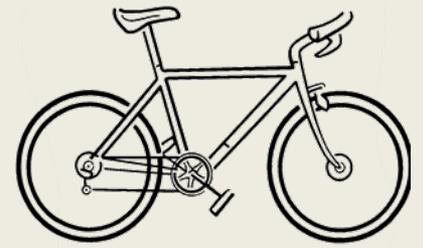


On Street Parking





Shared Paths



Summit-Goshen Shared Path 2006

- 8-foot wide
 - 2,170 Linear Feet
 - No Land Acquisition Costs
 - State Grant **\$75,000**
 - City Cost **\$47,682**
 - TOTAL Cost **\$122,682**
- Approximately **\$56**
per linear foot



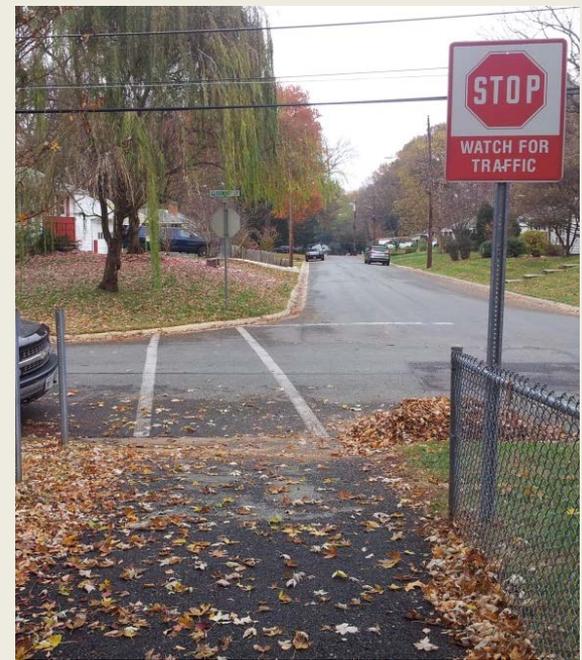
Signage



Shared Pathway

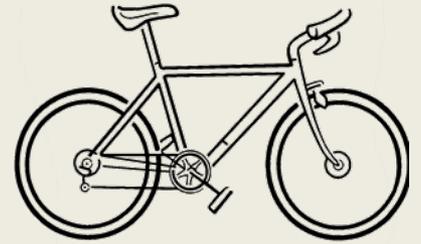
Sign Costs - \$30

*Signage for
Bicyclist*

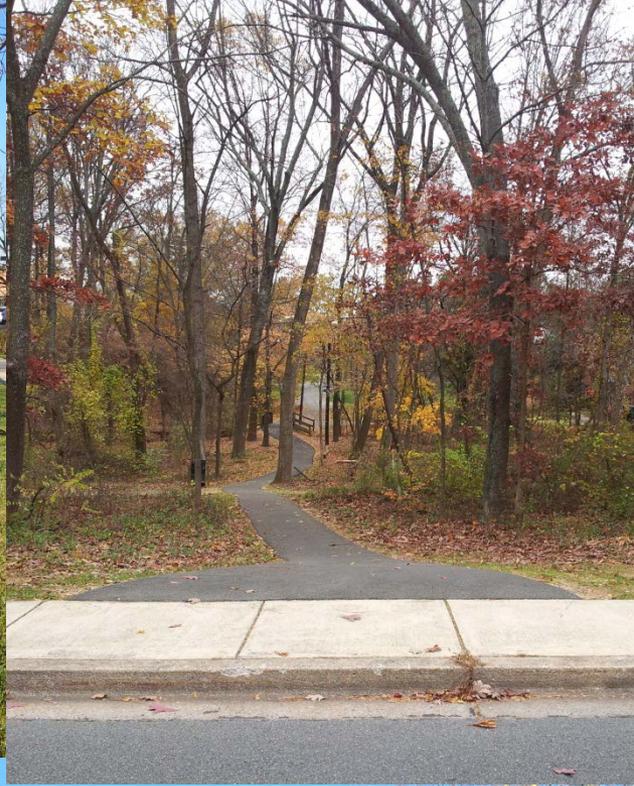


*Bicycle & Pathway
Crossing*

Signage



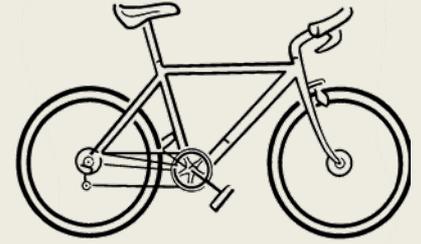
Directional & Wayfinding



CIP-79-3 Bike Pathways (Portion of CIP)

| BUDGET YEAR | Bicycle Lane Signing | Pathway Design | Pathway Construction |
|------------------------------|-----------------------------|-------------------------------------|--|
| FY 2013 | \$10,000 | \$20,000 NIST Path Design | |
| FY 2014 | \$10,000 | | |
| FY 2015 | \$10,000 | | \$120,000 NIST/RT 124 \$50,000 |
| FY 2016 – FY 2018 | \$10,000 | | \$50,000 |

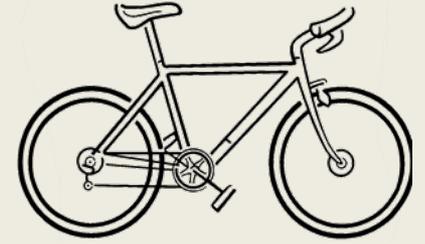
FY2014 Goals & Estimated Material Costs



Sharrows: TOTAL \$12,300

- Saybrooke Oaks Blvd. **\$1300**
- Victory Farm Dr.
(changed from Bike Lane) **\$1300**
- Girard St. **\$2300**
- Russell Ave. – south of Odend’hal Ave. **\$1600**
- Russell Ave. – north of Odend’hal Ave. to Christopher Ave.
(changed from Bike Lane) **\$1900**
- Christopher Ave. **\$1900**
- Odend’hal Ave. **\$2000**

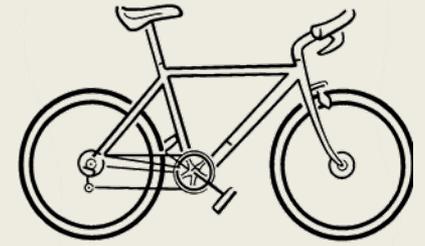
FY2014 Goals & Estimated Material Costs (Cont.)



Signage: TOTAL \$5900

- Great Seneca Hwy. Shared Use Path Muddy Branch to **\$2000**
- Muddy Branch Rd. Shared Use Path **\$2400**
- North Frederick (MD 355) – Professional Dr. to Odend’hal Ave. – South Bound **\$1000**
- North Summit Ave. from Odend’hal to Brookes Aves. **\$500**

FY2014 Goals & Estimated Material Costs (Cont.)

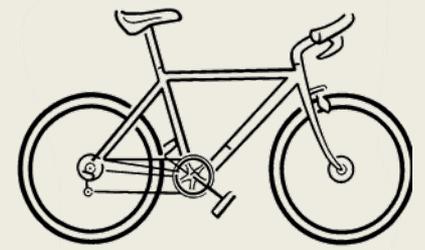


Pathway:

Izaak Walton (Funds from Stormwater Management & Storm Drain CIP)



FY2015 Goals & Estimated Material Costs

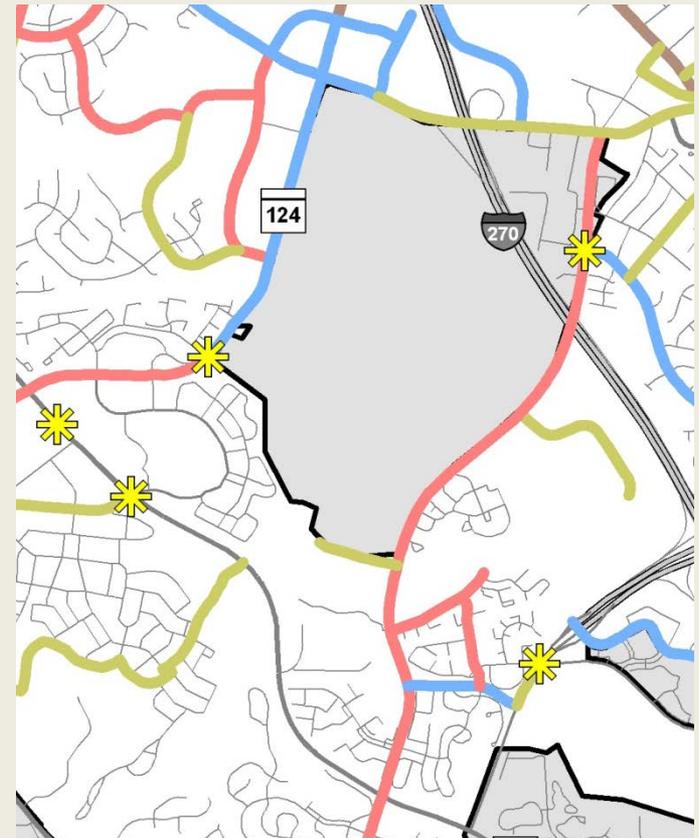


Sharrows: TOTAL \$12,080

- Lakeforest Blvd. **\$510**
- Perry Pwy. **\$1900**
- Firstfield Rd. – north of MD 117 **\$770**
- Firstfield Rd. – south of MD 117 (added) **\$1780**
- Bureau Dr. **\$770**
- Tschiffely Square Rd. **\$3,300**
- Washingtonian Blvd. **\$3050**

Shared Pathway:

- NIST West (Cont.)



FY2015 Goals & Estimated Material Costs (Cont.)

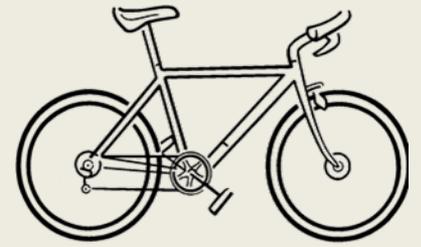


Signage: \$3700

- Izaak Walton (Conservation Ln.) Shared Road **\$500**
- Quince Orchard Rd. Path (MD 124) – Booth St. to MD 28 **\$800**
- MD 117 Path - MD 124 & Muddy Branch Rd. **\$900**
- Teachers Way **\$500**
- Wayfinding Signs **\$1000**



FY2016 Goals & Estimated Material Costs



Sharrows: TOTAL \$5820

- Russell Ave.
(Changed from Bike Lane)–
North of Christopher Ave.
\$730

- Watkins Mill Rd.
(Changed from Bike Lane)
(East of RT 355) **\$1270**

- School Dr. **\$1150**
(Changed from Bike Lane)

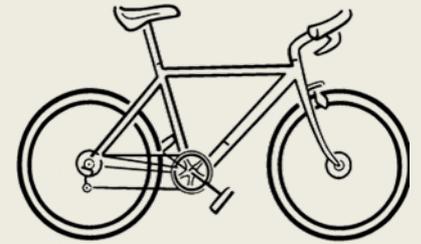
- Story Dr. **\$1020**

- Quince Orchard Blvd.
\$650

- Pheasant Run Rd.
\$1000



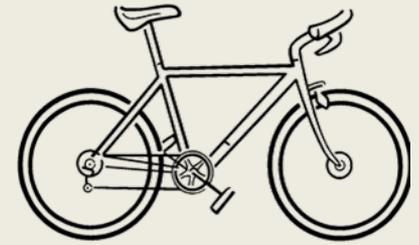
FY2016 Goals & Estimated Material Costs (Cont.)



**Bike Lanes: TOTAL
\$4,320**

- Rabbitt Rd. **\$1800**
- Metropolitan Grove Rd. (Sharrows) & Ct. **\$1320**
- Quince Orchard Blvd. (Firstfield Rd. to Rabbit Rd.) **\$1200**

FY2016 Goals & Estimated Material Costs (cont.)



Signage – Share the Road: TOTAL \$3470

- Longdraft Rd.
- West Diamond Ave.
- East Diamond Ave. **\$930**
- Summit Ave. **\$390**
- Brookes Ave. **\$180**
- West Side Dr. **\$240**
- Lakelands Ave./Main St. **\$1100**
- Quince Orchard Blvd. **\$330**
- Kentlands Blvd. **\$300**

FY2016 Bike Lanes, Shared Roads or Sharrows: TOTAL \$13,610

FY 2017 – FY 2019



Shared Pathway:

- Inventory Pathway Widening Needs 2017
- Prioritize Pathway Widening based on Cost
- Construction of Pathways



Promotional Materials



Hard Copies

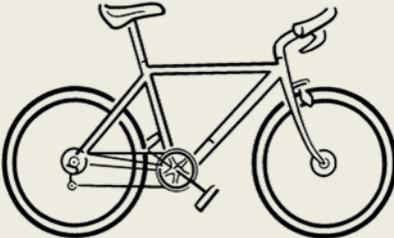
- Maps early **FY 2016**
- Bicycle Safety Brochure



Electronics

- City Map on Web Page
- Google Maps
- Bing
- TomTom
- Map My Ride

Future Work Session: Capital Bike Share



In Conclusion

- Test of Sharrows – December-February
- Press Release – Sharrow installation
- Installation of Sharrows
- Posting of Signs
- Press Release of purpose of Sharrows with Ribbon Cutting
- Bicycle Rodeo & other programs
- Further coordination with SHA on the NIST West Path
- Completion of Sharrow & Bike Lanes by end of FY 2016
- Widening of under sized bike paths
- Continued participation of installation of Bicycle facilities by developers



Gaithersburg



Bicycle Friendly