



# BIKE ACTION PLAN: IF YOU BUILD IT, “WHEEL” THEY COME?

PENNSYLVANIA CHAPTER OF THE AMERICAN PLANNING ASSOCIATION  
2015 ANNUAL CONFERENCE - EDUCATIONAL SESSION

Jennifer Barr, AICP

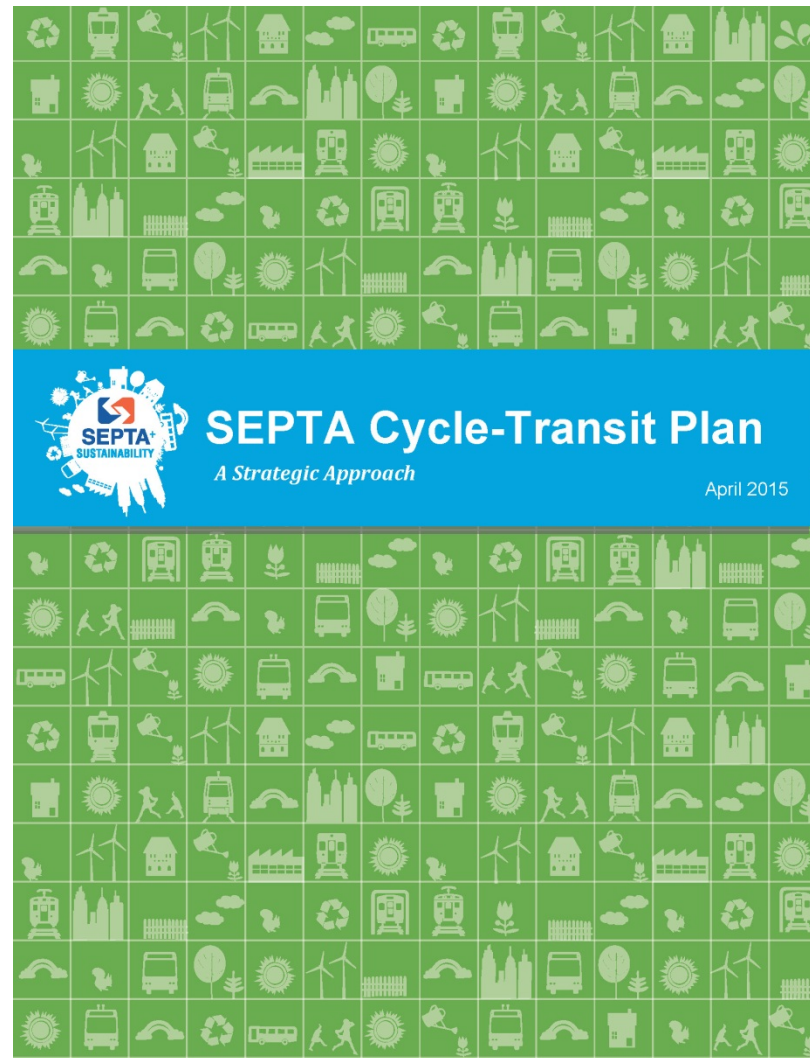
Rebecca Collins, LEED AP O+M

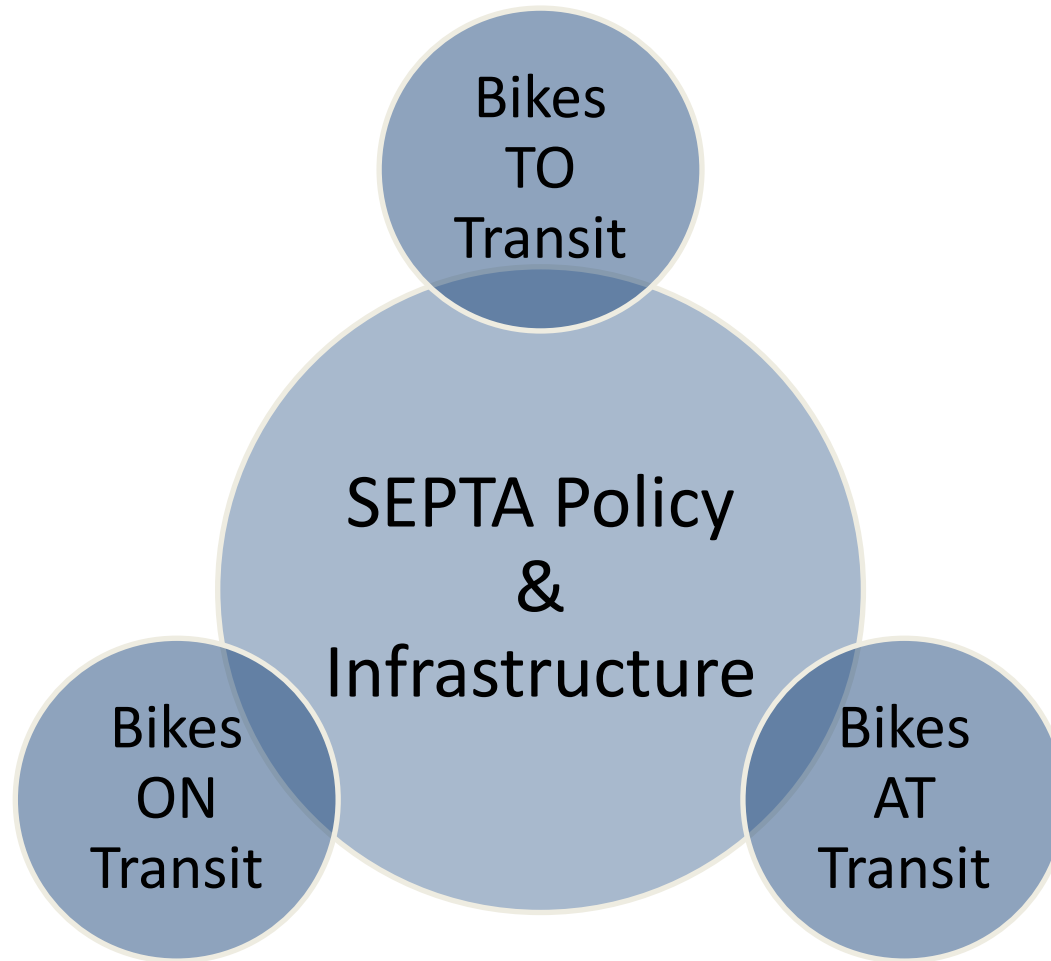
Southeastern Pennsylvania Transportation Authority

*Bike Action Plan: If you build it, “Wheel” they come?*

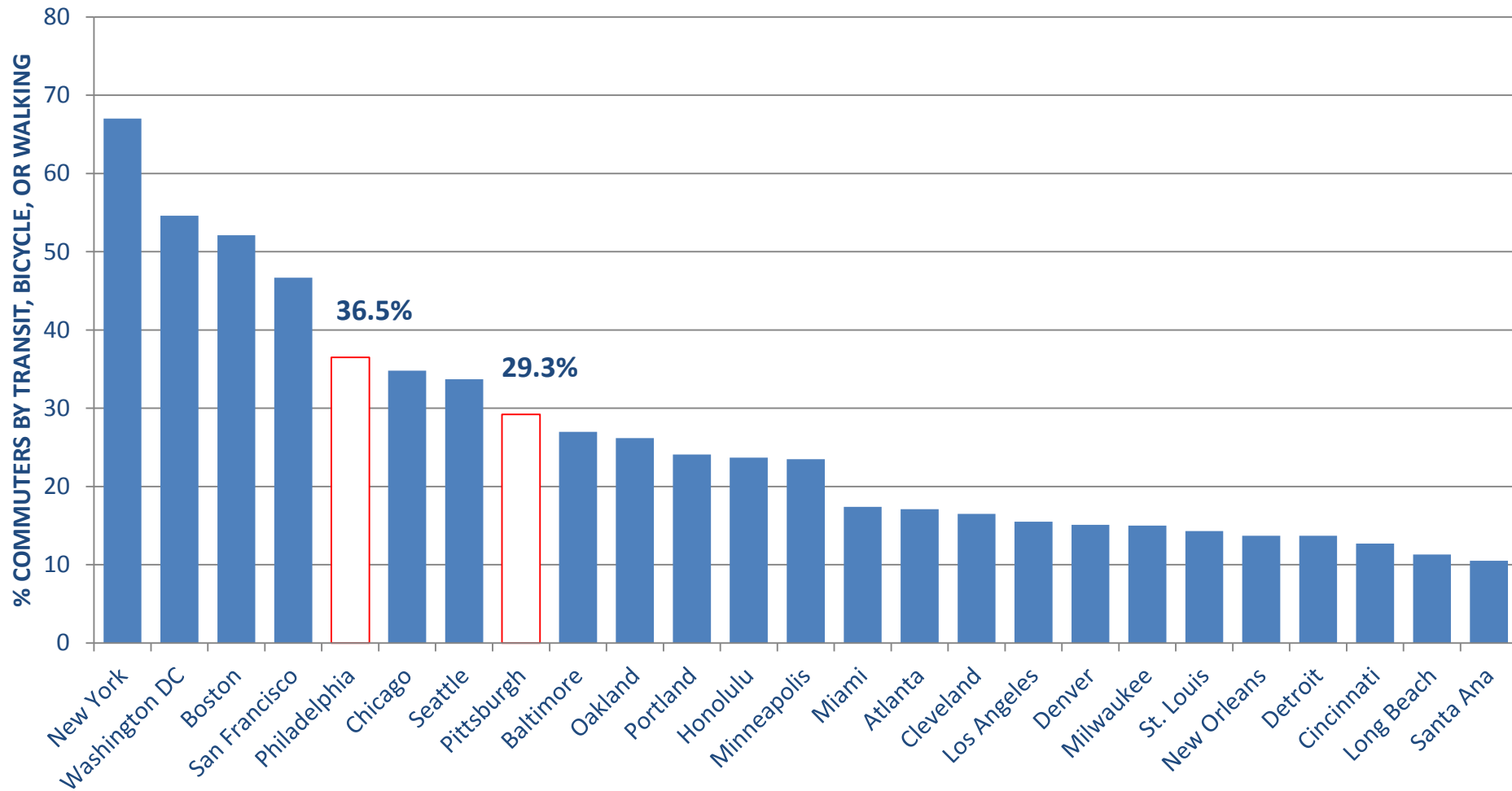
- Overview
- Trends
- Bikes TO Transit
- Bikes AT Transit
- Bikes ON Transit
- Q & A

# CYCLE-TRANSIT PLAN



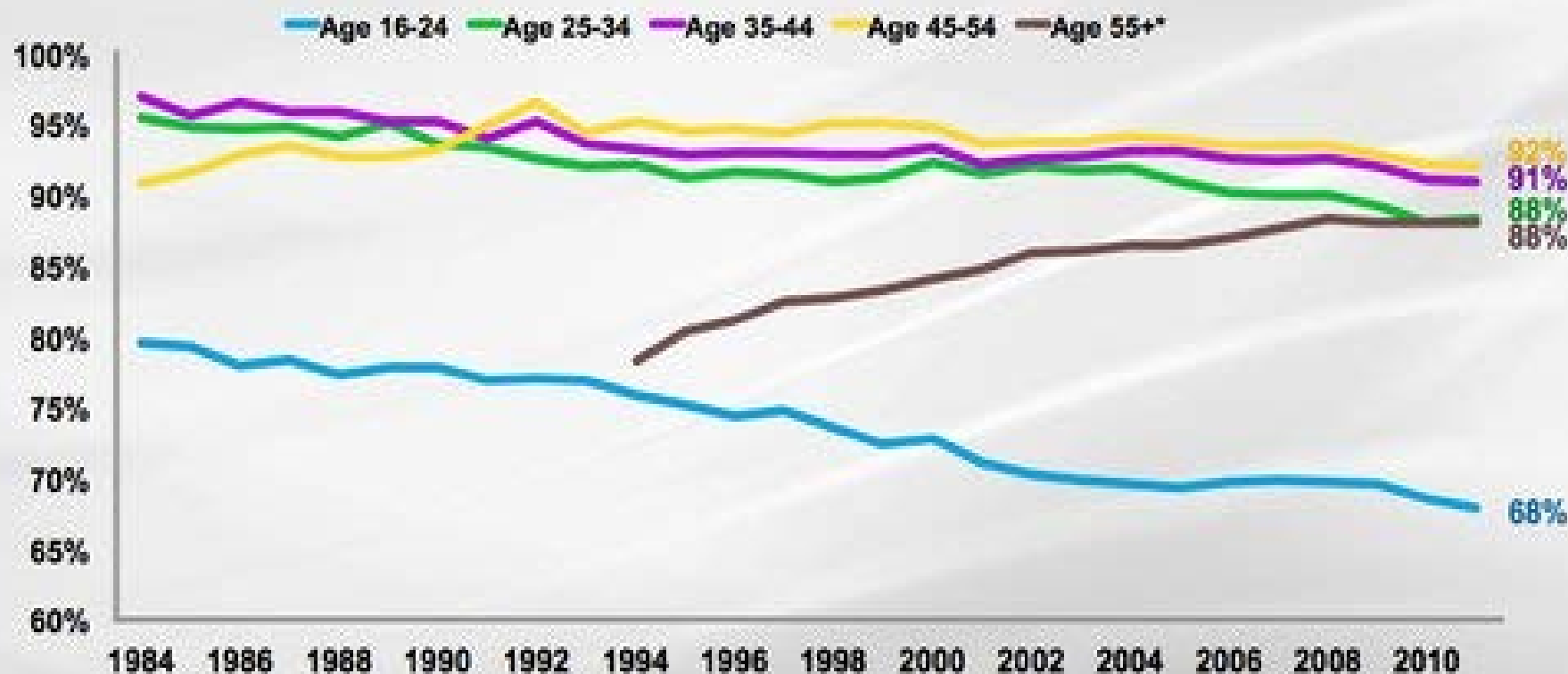


## 25 LARGEST U.S. CITIES



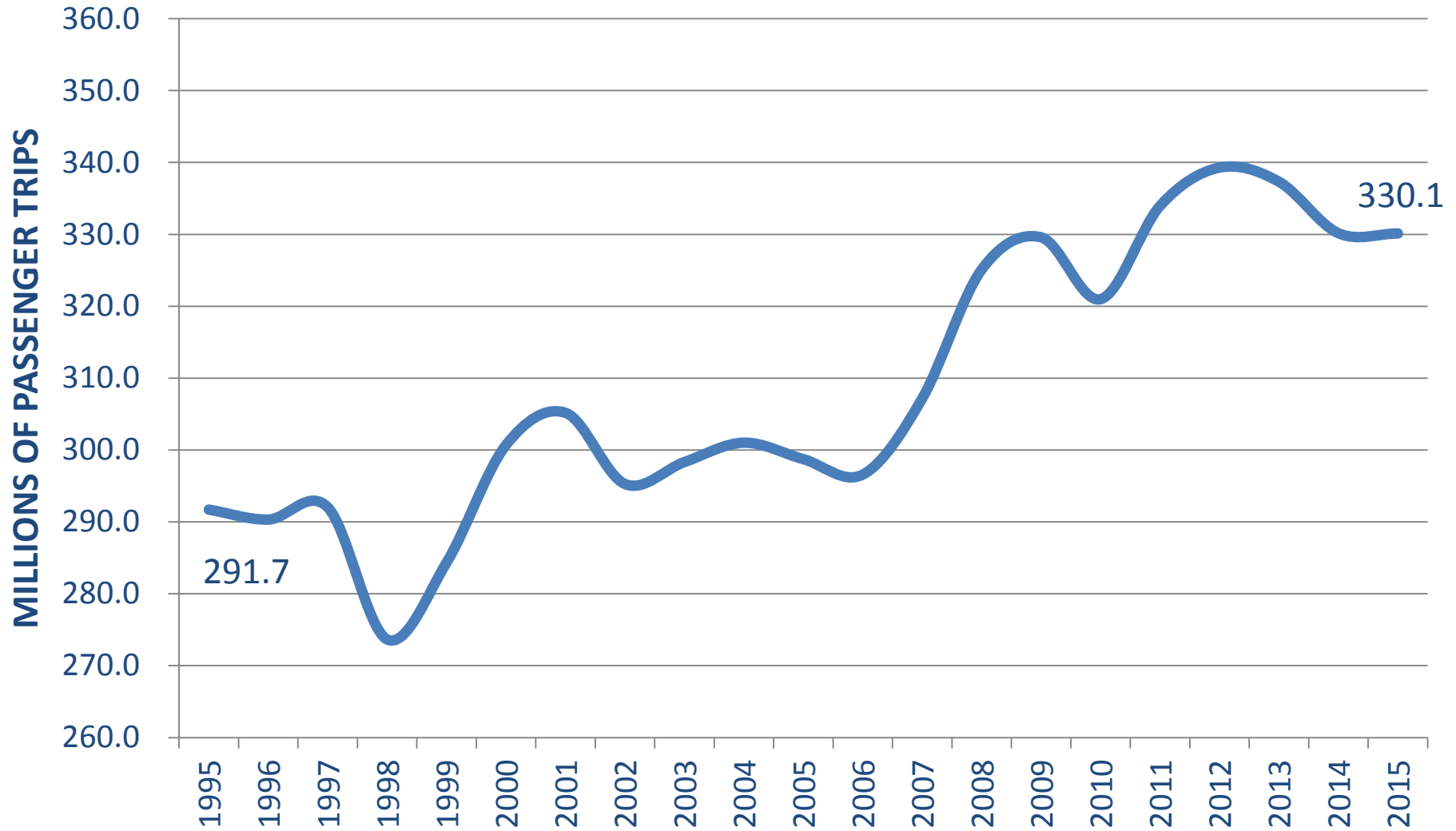
## IS THE YOUNGER GENERATION LOSING INTEREST IN CARS?

*Licensed Driver as % of Population by Age Cohort*





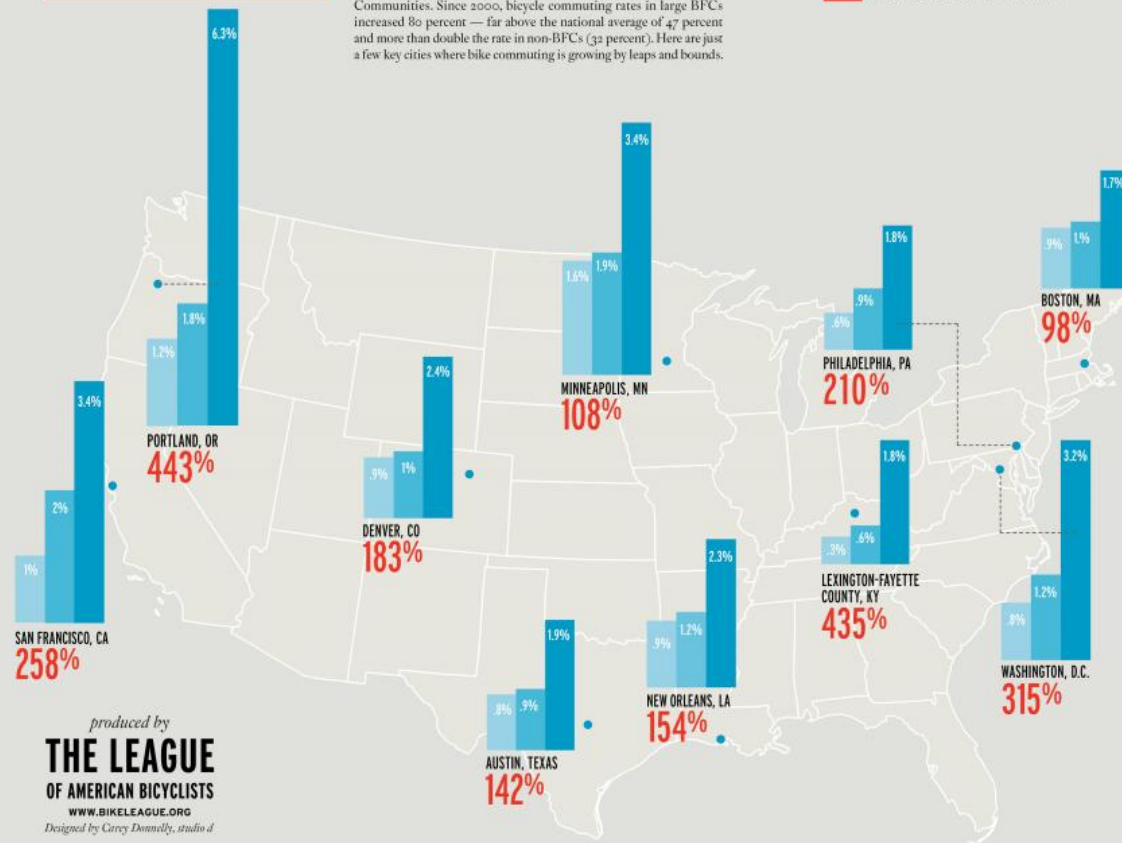
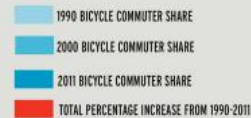
# SEPTA RIDERSHIP GROWTH



# BICYCLE COMMUTE TRENDS

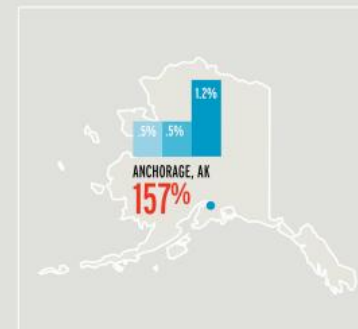
## THE GROWTH OF BIKE COMMUTING

For cyclists of all stripes, there's nothing like Bike to Work Day — our annual celebration of active transportation. Caravans of excited new riders enjoying their commute like never before, Veteran bicyclists seeing and connecting with old friends over free breakfast and live entertainment. Thanks, in part, to encouragement efforts like BTWD, the number of bike commuters is on the rise — especially in Bicycle Friendly Communities. Since 2000, bicycle commuting rates in large BFCs increased 80 percent — far above the national average of 47 percent and more than double the rate in non-BFCs (32 percent). Here are just a few key cities where bike commuting is growing by leaps and bounds.



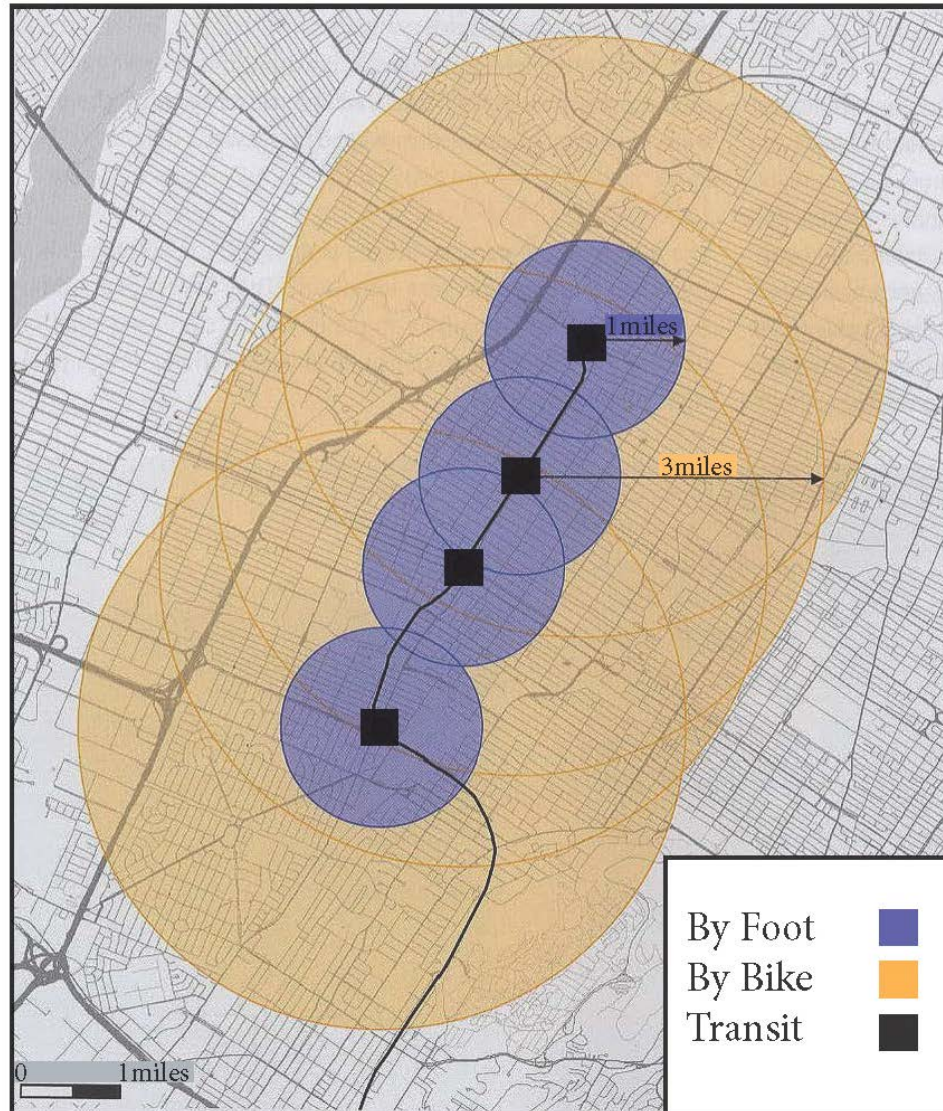
produced by  
**THE LEAGUE**  
OF AMERICAN BICYCLISTS  
WWW.BIKELEAGUE.ORG  
Designed by Carey Donnelly, studio d

## OVERALL GROWTH OF BIKE COMMUTING (2000-2011)

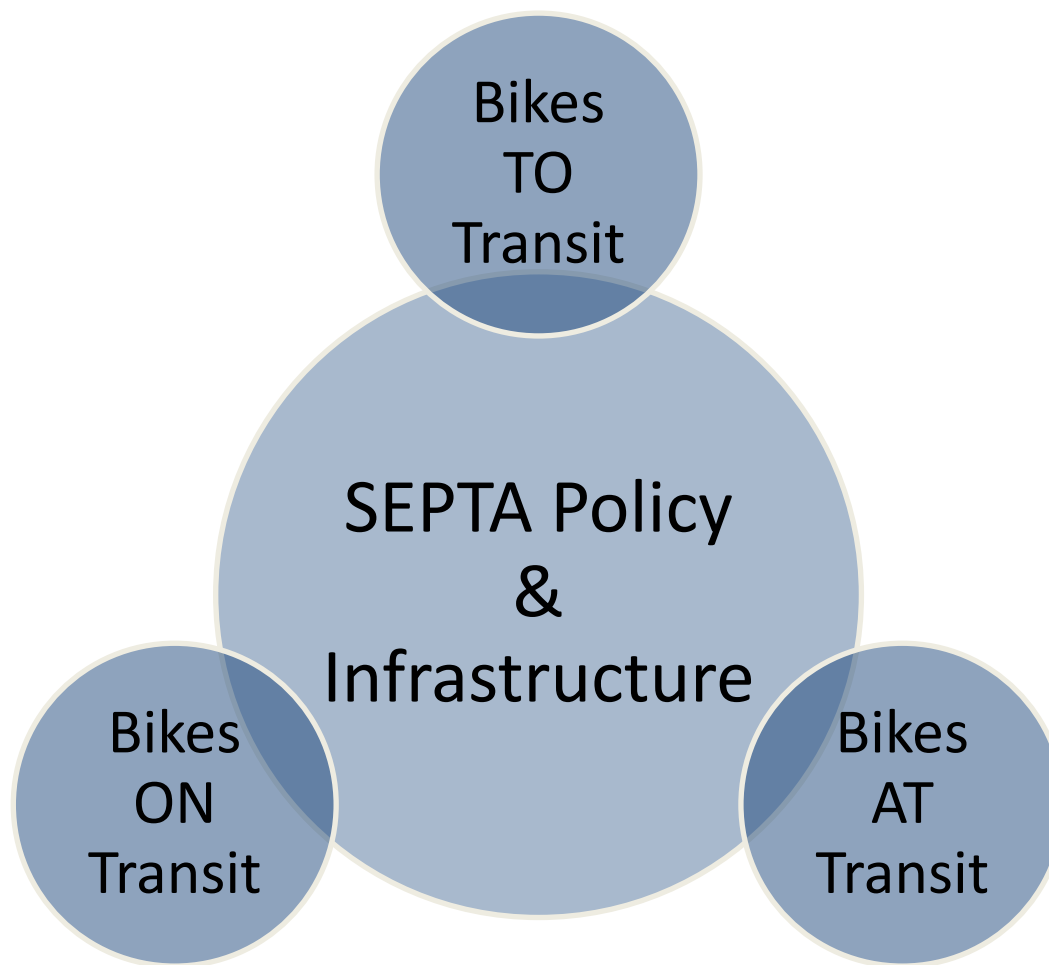




# BIKES + TRANSIT = WORKING TOGETHER



Source: Adapted from Urban Places and Spaces Blog

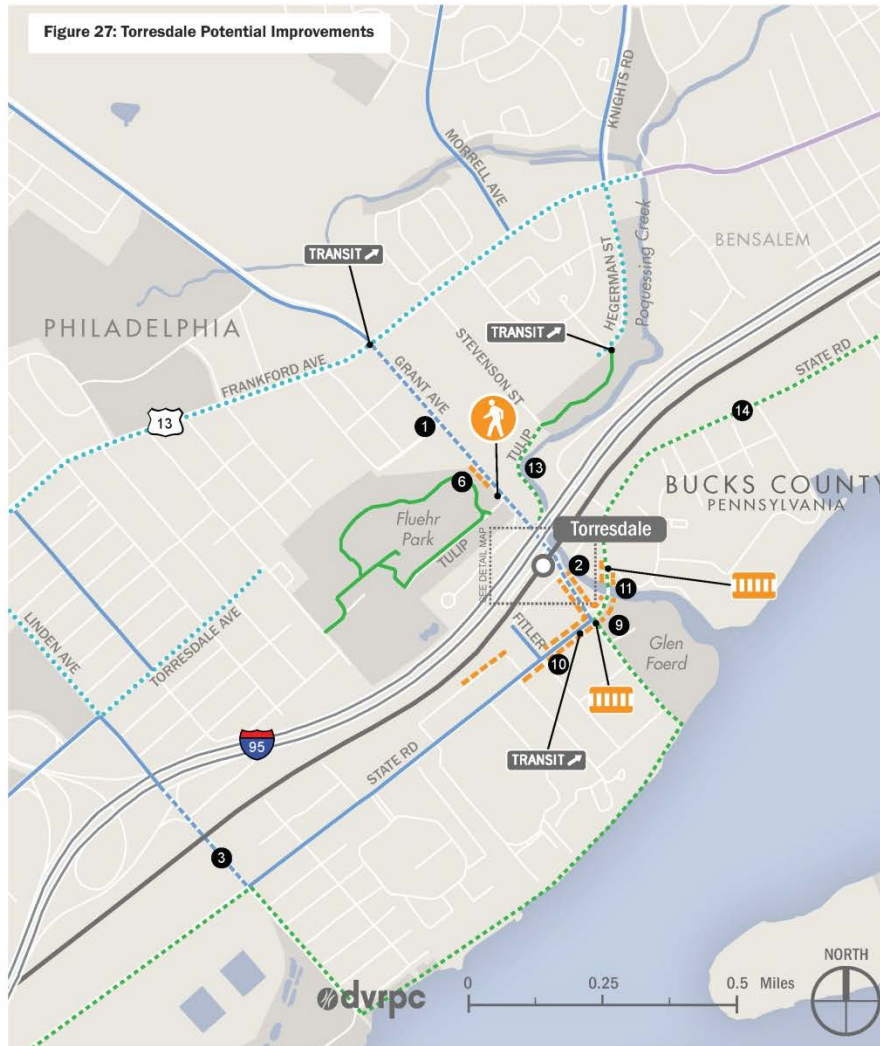




# Bikes TO Transit



# TRENTON LINE ACCESS STUDY



## Existing Bicycle and Multi-Use Facilities

- Bike Lane
- Multi-Use Trail
- State Bicycle Route

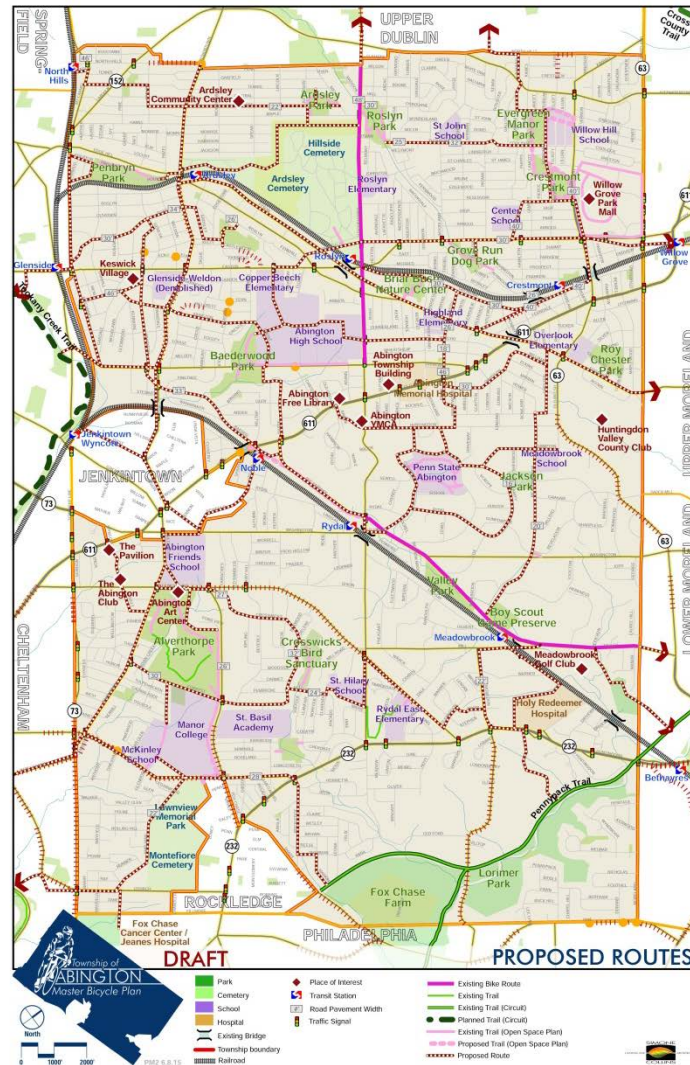
## Recommended Pedestrian and Bicycle Improvements

- New Bike Lane
- New Marked Shared Lane
- New Multi-Use Trail
- New Sidewalk
- Station Area Opportunity (See Table 2)
- Pedestrian Intersection Improvement
- Pedestrian Spot Improvement
- New/Enhanced Bicycle Parking

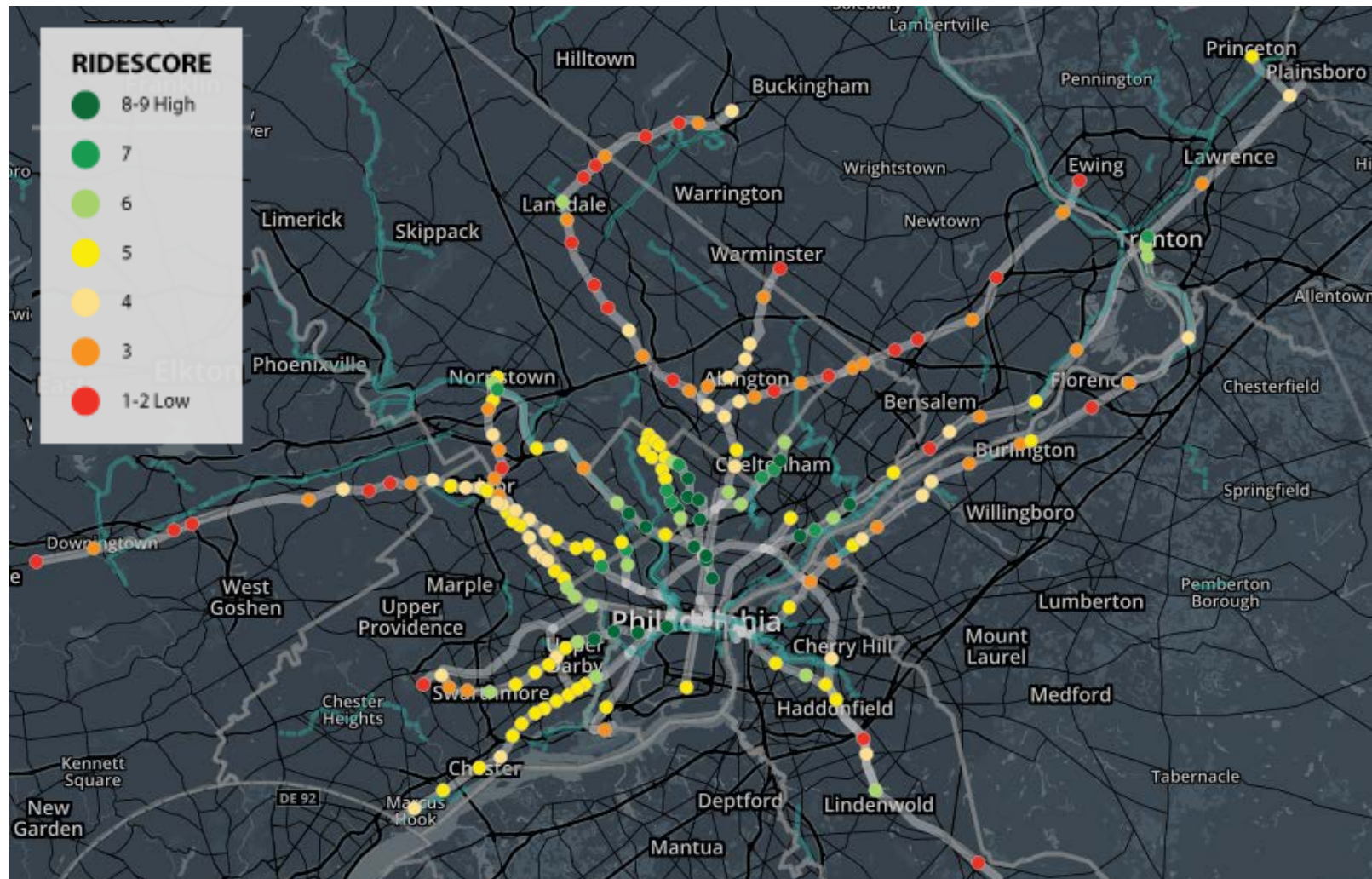
## Other Opportunities

- Wayfinding Signage
- Bus Stop Realignment

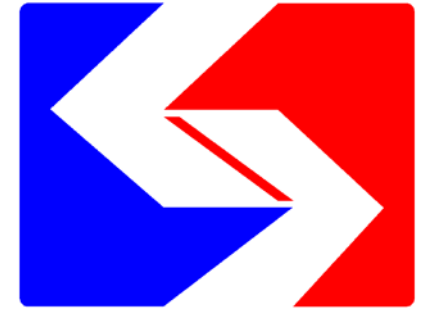
# ABINGTON TOWNSHIP BICYCLE PLAN



# DVRPC's RIDESCORE

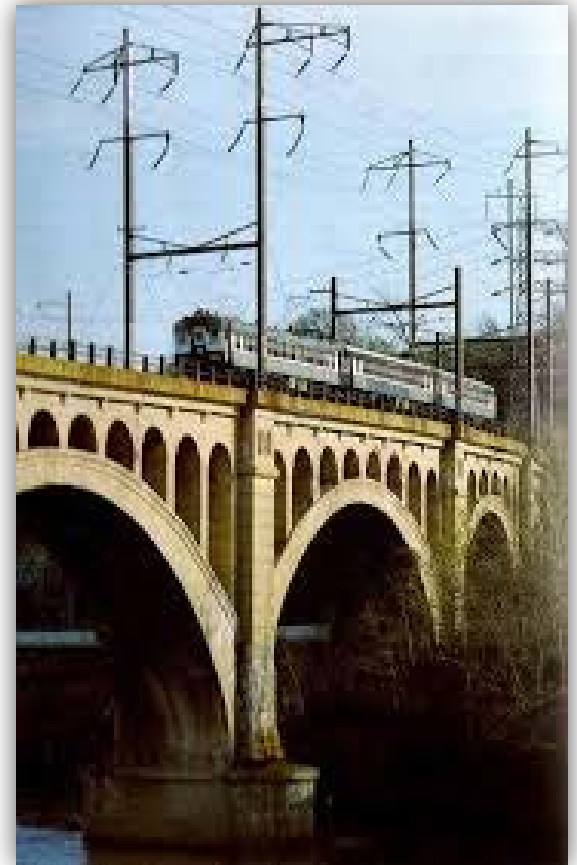


# BIKE AND RIDE FIELD TRIPS





# RAILS TO TRAILS

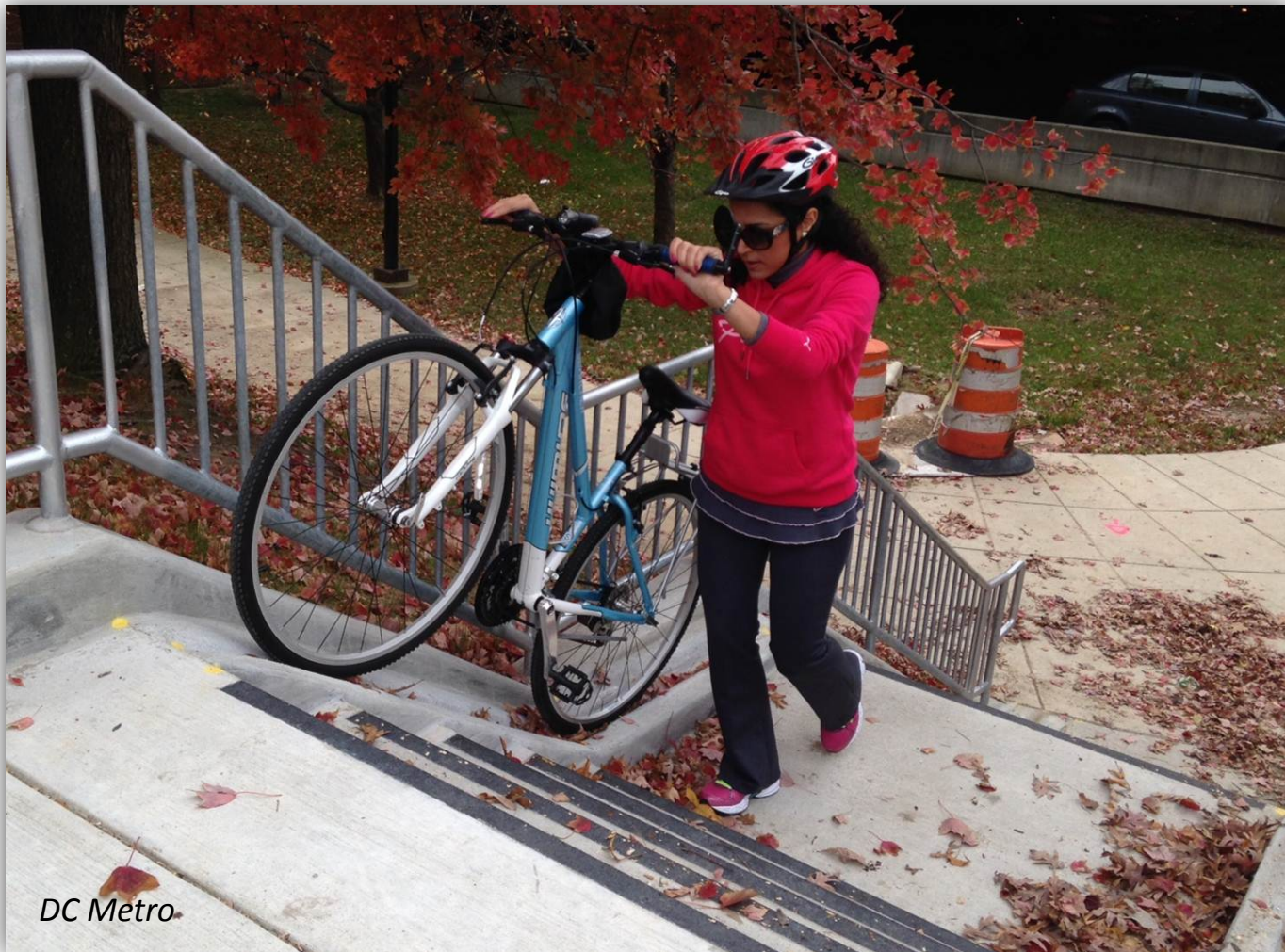


# Bikes AT Transit





# STATION BIKE STAIR RUNNER

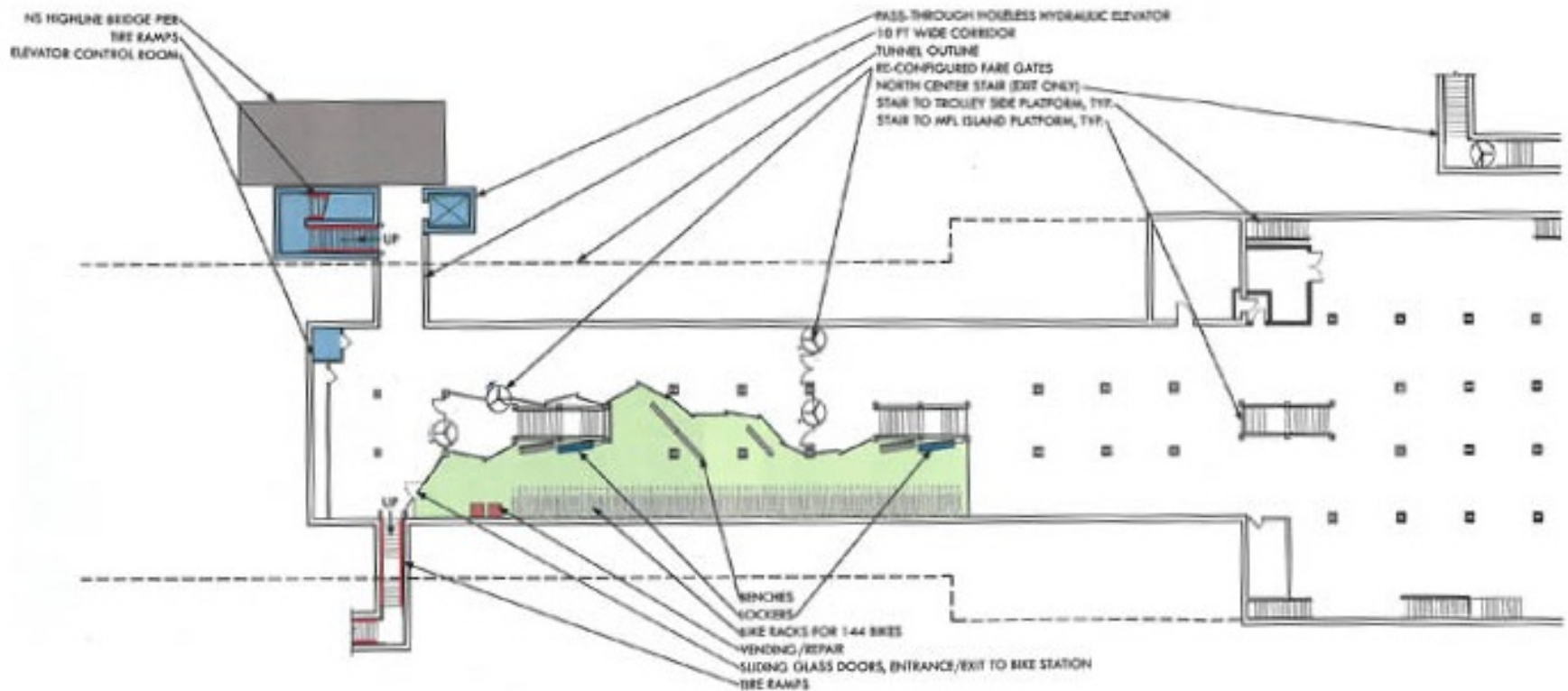




# BIKE PARKING IN CONCOURSES



# BIKE PARKING IN CONCOURSES



# STATION SITE PLAN REVIEW

## Three Goals of Review

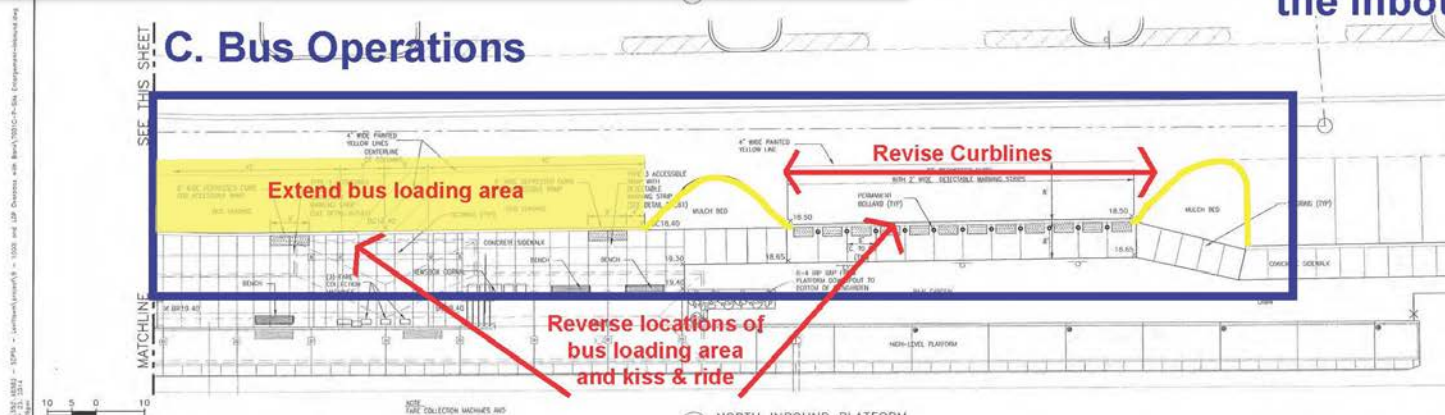
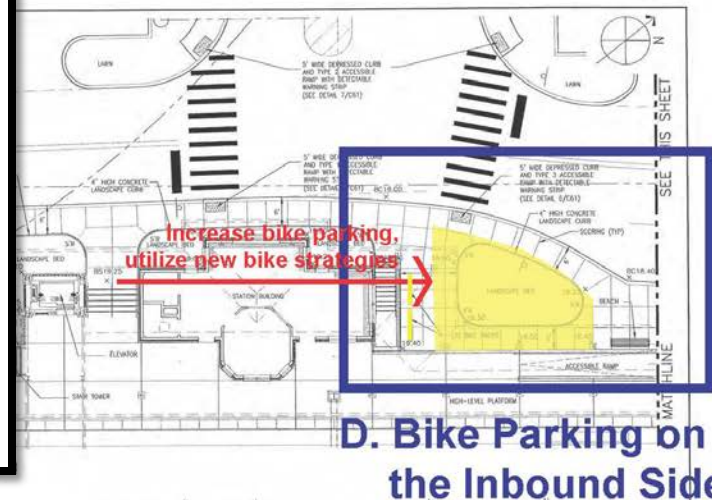
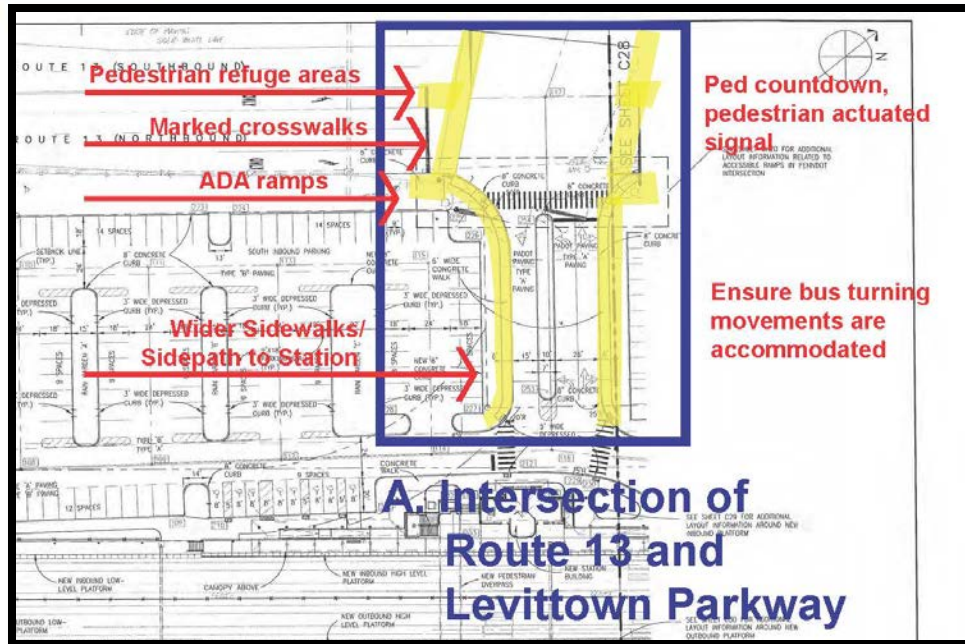
- 1) Safety
- 2) Customer Experience
- 3) Multi-modal access
  - Auto
  - Bus
  - Pedestrian
  - Bicycle



*Levittown Station*

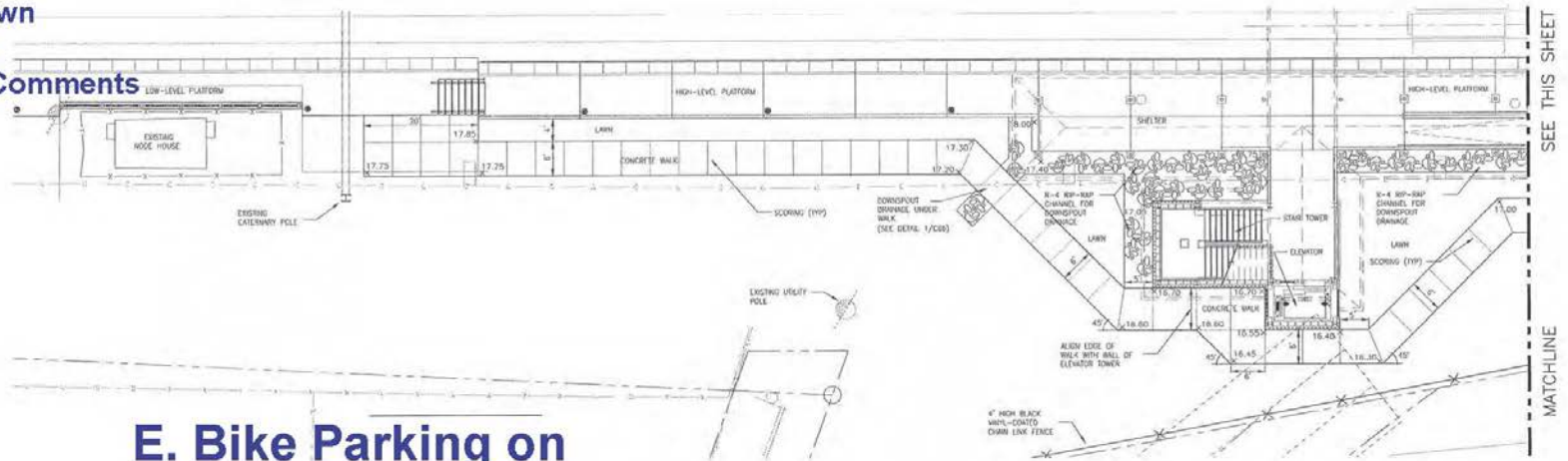


# STATION SITE PLAN REVIEW

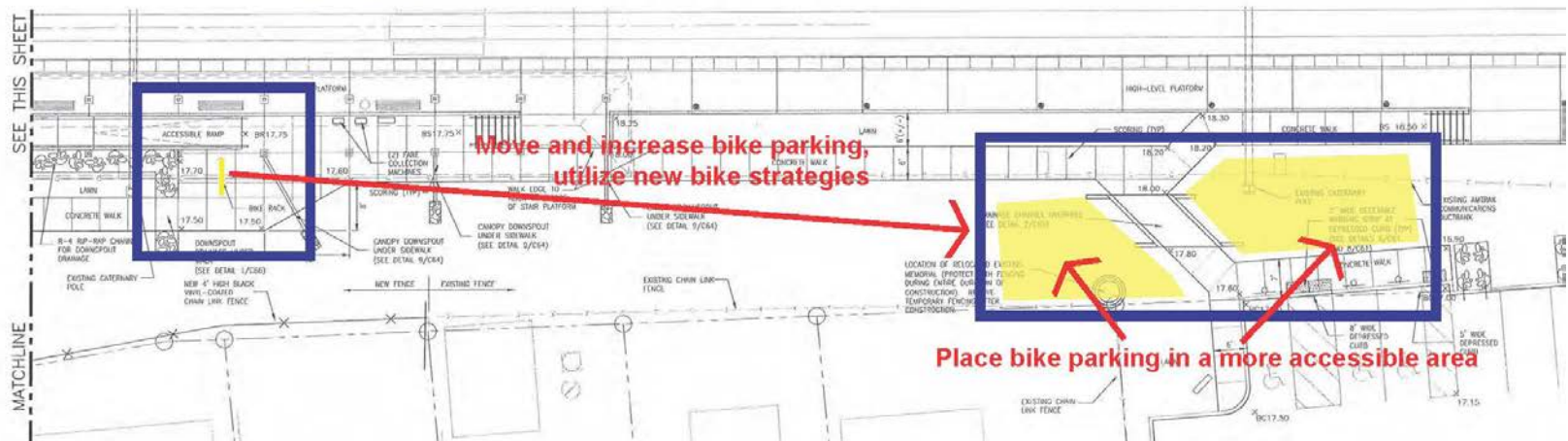


# STATION SITE PLAN REVIEW

Levittown  
Page 4  
SP&A Comments



## E. Bike Parking on the Outbound Side



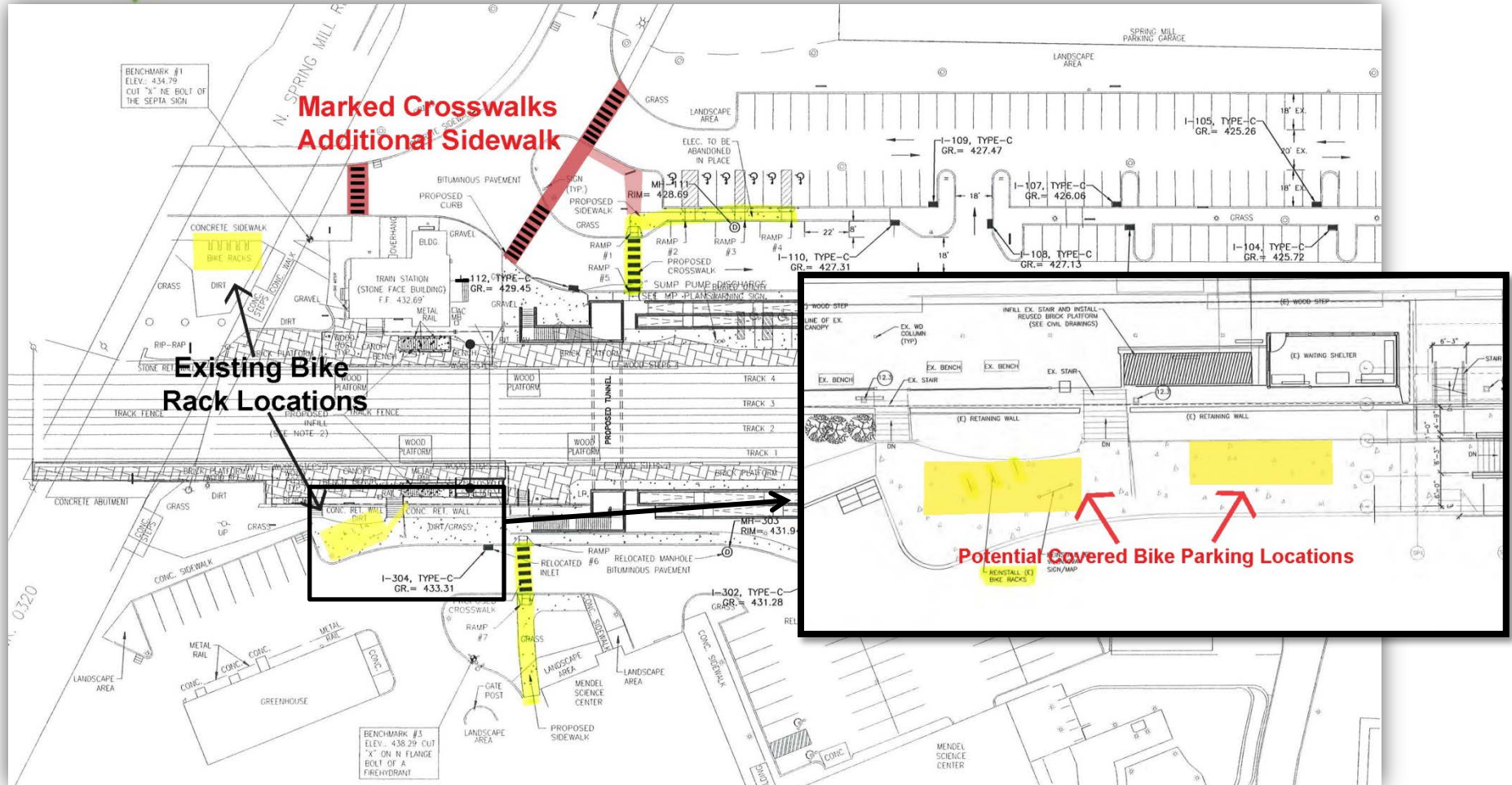


# STATION SITE PLAN REVIEW



*Villanova Regional Rail Station*

# STATION SITE PLAN REVIEW



# BICYCLE ACCESS & PARKING ANALYSIS

## Trenton Line



### Bicycle Access & Parking Analysis

*Observations & Recommendations*

REGIONAL RAIL

- Trenton Transit Center
- Levittown
- Bristol
- Croydon
- Eddington
- Cornwells Heights
- Torresdale
- Holmesburg Junction
- Tacony
- Bridesburg



Strategic Planning & Analysis Department  
Prepared by Jen Barr and Becky Collins

Assessments Performed: February & August 2014

## Warminster Line



### Bicycle Access & Parking Analysis

*Observations & Recommendations*

REGIONAL RAIL

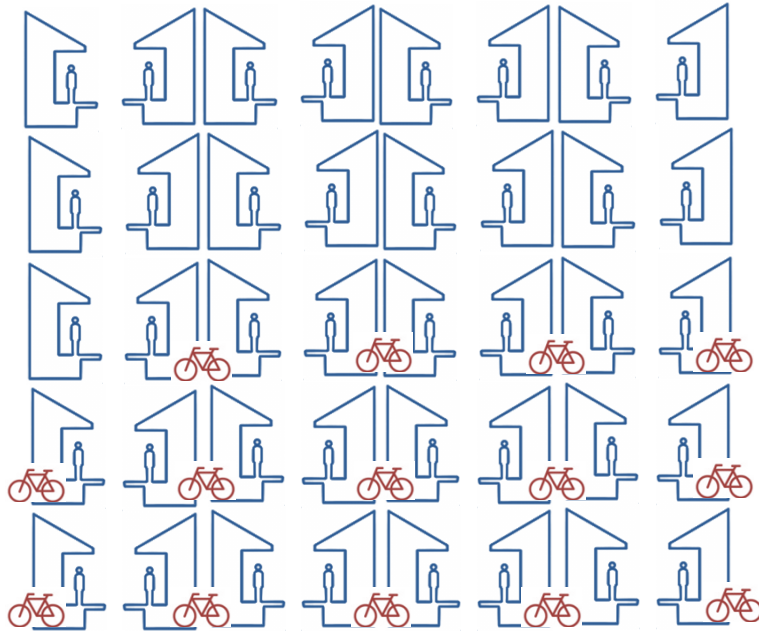
- Warminster
- Hatboro
- Willow Grove
- Crestmont
- Roslyn
- Ardsley



Strategic Planning & Analysis Department  
Prepared by Jen Barr and Becky Collins

Assessment Performed: June 6, 2014

# SEPTA & BIKES BY THE NUMBERS

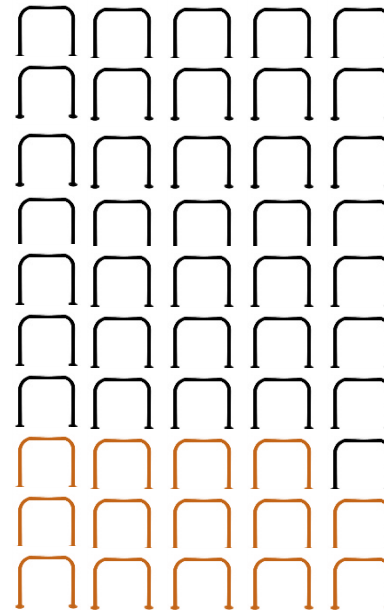


**148**

Regional Rail  
Stations surveyed

**54%**

had bikes



**345**

bike racks on SEPTA  
property

@**32%**

capacity



**246**

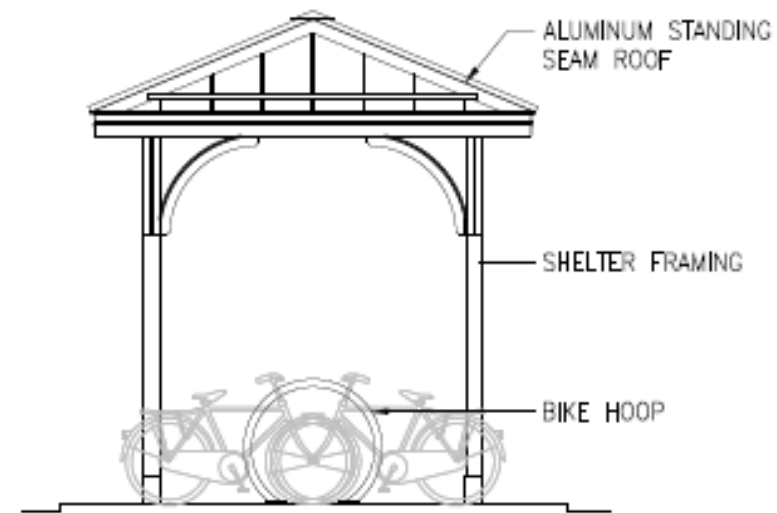
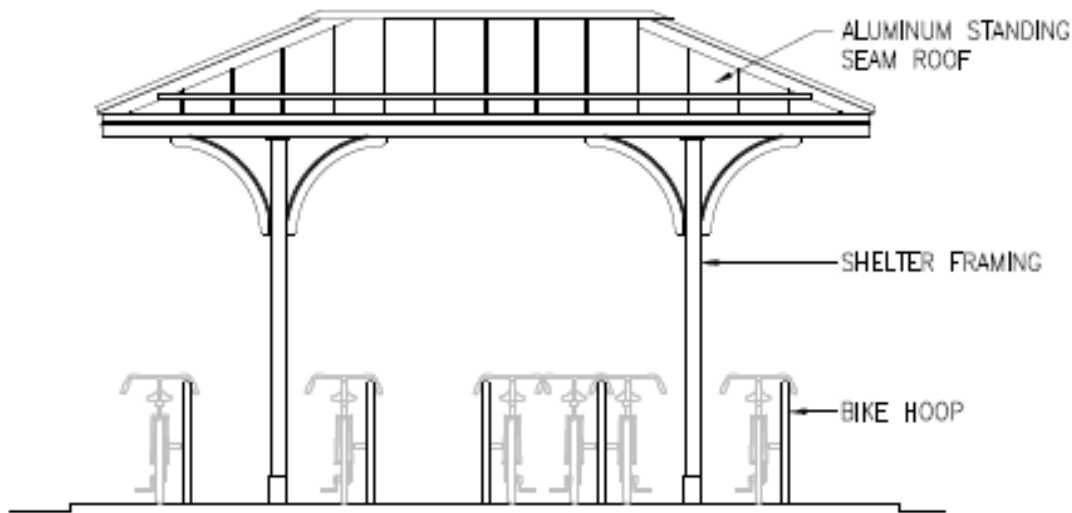
bikes parked on SEPTA  
property

**3.2**

Average number of bikes

# SHELTERED BIKE PARKING

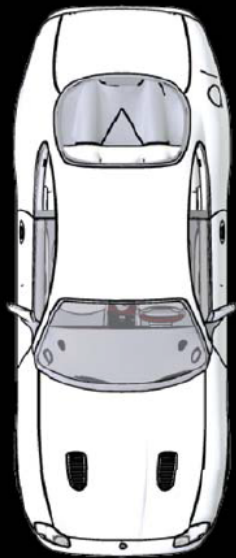
**5 BIKE SHELTER PLAN**  
A100 SCALE: 1/4" = 1'-0"  
FILE: REF:



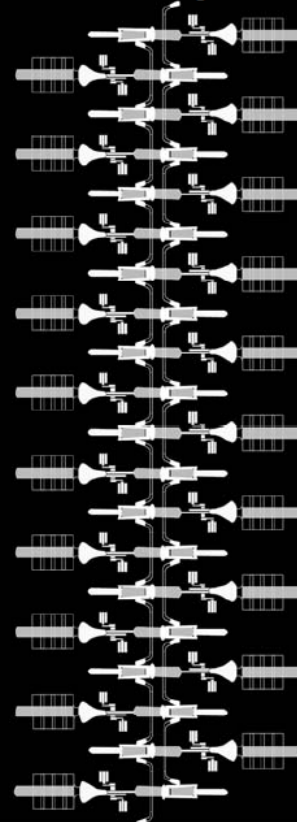


# BIKES TO VEHICULAR PARKING

1 Car



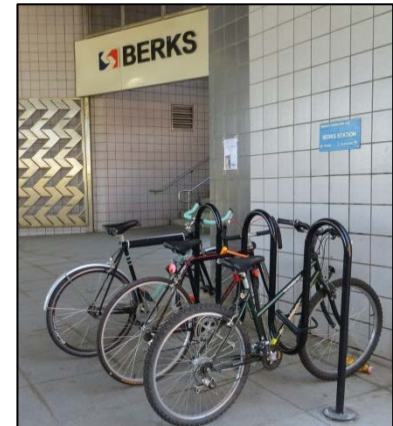
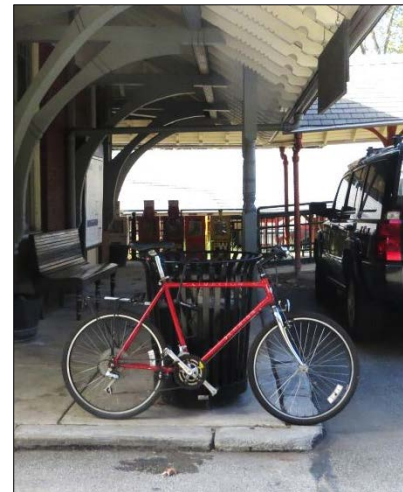
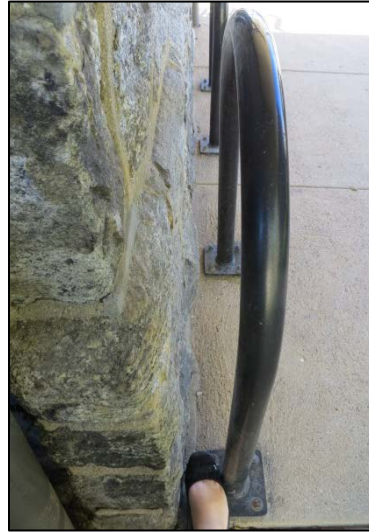
20 Bicycles



# BIKE PARKING: PHASE I

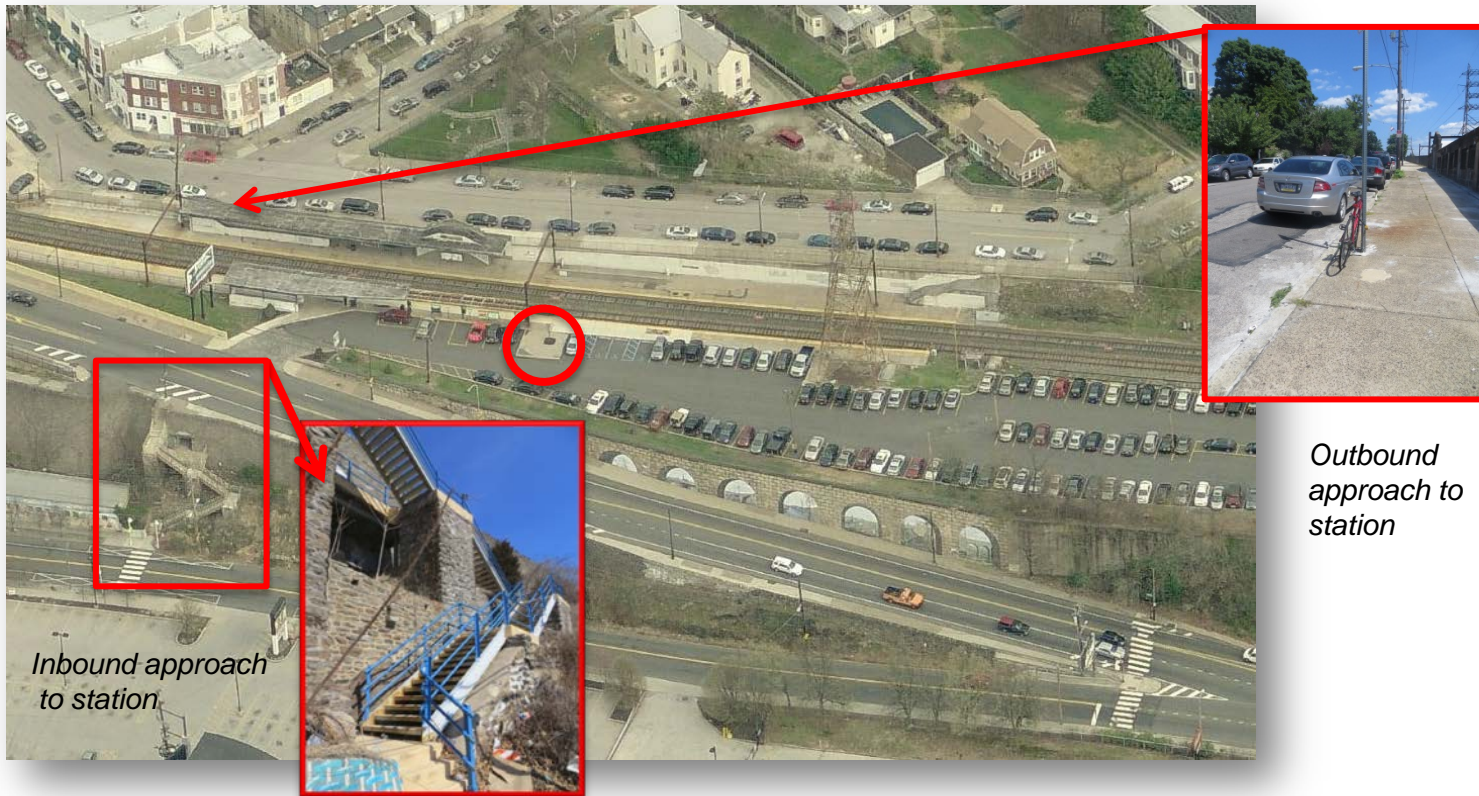


# LESSONS LEARNED – BICYCLE PARKING



Do

## Prioritize bike parking on easy and safe routes



*Outbound  
approach to  
station*

*Inbound approach  
to station*

*Wissahickon Station – Manayunk / Norristown Line*

Do

## Prioritize bike parking on easy and safe routes



*Outbound approach to station*



*Inbound approach to station*

*Wissahickon Station – Manayunk / Norristown Line*

Do

Install infrastructure near stations with high demand.



*Market East Station – Filbert Street between 11<sup>th</sup> and 12<sup>th</sup> Streets*

Do

Install high density double stacked racks in locations with high demand.



*BART Station – San Francisco*



*Swarthmore Station– Media Elwyn Line*

Don't

Place bike racks at top of stairs at stations



*Meadowbrook Station - West Trenton Line*

Do

Place bike racks under canopy cover.



*Jenkintown Station – Glenside Combined*



*Norristown Transportation Center – Manayunk Norristown*

# Don't

## Prioritize honor boxes over bike racks.



*Langhorne Station – West Trenton Line*



*Ivy Ridge Station – Manayunk-Norristown Line*

Do

Place bike racks where customers can see them.



*Lansdale Station – Lansdale-Doylestown Line*



*Temple University Station – Glenside Combined*

Don't

Place bike racks where EVERYONE can see them.



*Haverford Station – Paoli Thorndale Line*

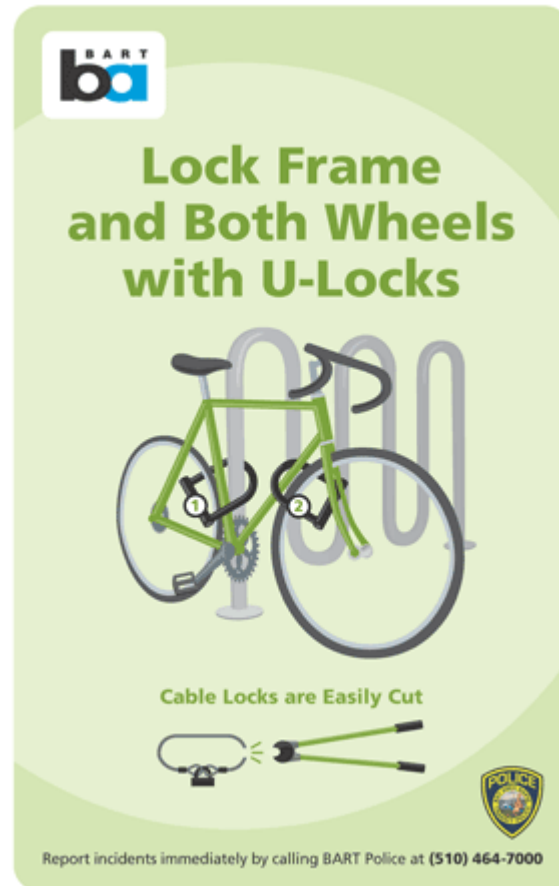


*Willow Grove Station – Warminster Line*



# Do

Educate customers on how to safely lock their bikes.





# Don't

Give customers a sense of risk when leaving their bikes at SEPTA stations.



*Yardley Station – West Trenton Line*



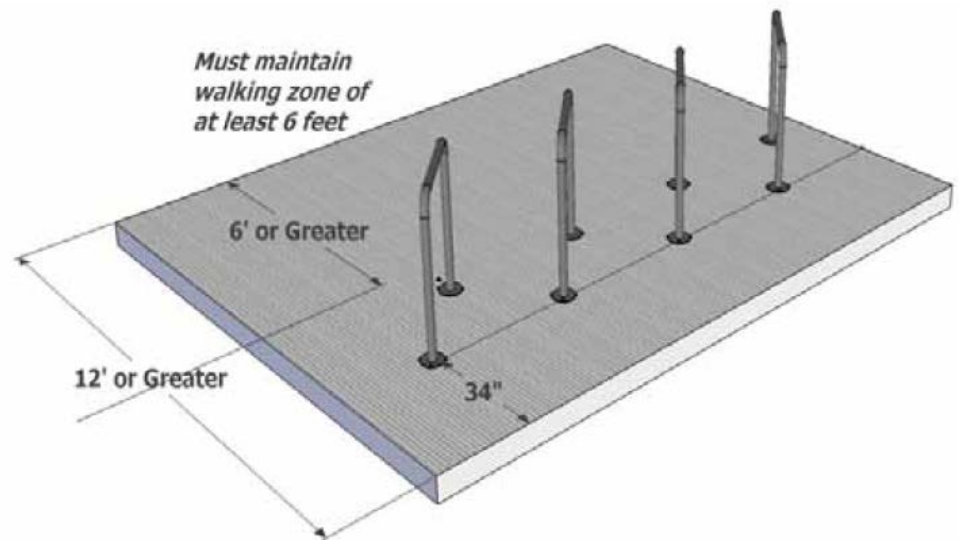
*Spring Mill Station – Manayunk Norristown Line*

Do

Install bike racks at an angle for more efficient space management.



Rosemont Station – Paoli Thorndale Line



# Don't

## Install bike racks that can not be utilized.



*Crestmont Station – Warminster Line*



*Conshohocken – Manayunk-Norristown Line*



*Hatboro Station – Warminster Line*



# Summary

## **Think with your bike helmet on!**

- Can I fit a bike here?
- Do I feel comfortable locking it?
- Is there a covered place?
- Do I have to carry it?

## **Look beyond the station**

- What's the neighborhood like?
- How are the roadways?
- Are there bike facilities?

**Only 40% of our Regional Rail customers drive and park at our stations**

# Bikes ON Transit





# BIKES ON BUSES



# EXAMPLE OF PRACTICE STATION





# BIKES IN VEHICLES



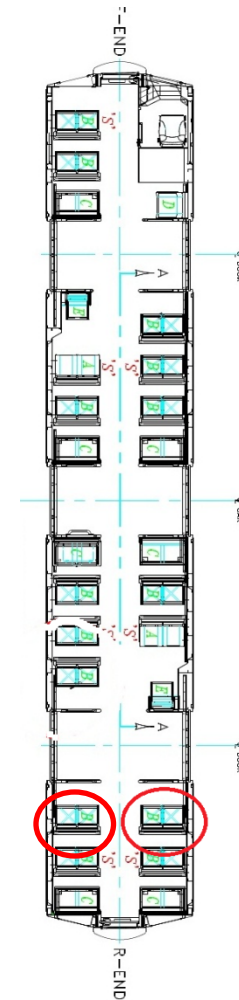
Valley Metro, AZ



Metro North, NY



# MARKET-FRANKFORD SUBWAY CAR



# MFL RIDERSHIP GROWTH

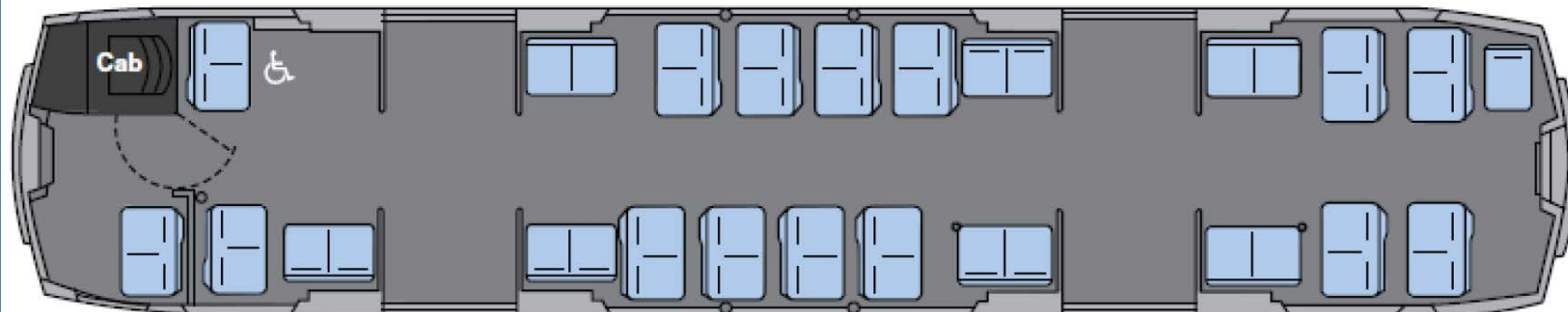
STATION	FY2011 AVG WKDAY	FY2014 AVG WKDAY	% GROWTH
BERKS	1693	2110	20%
GIRARD	3805	4191	9%
13 <sup>TH</sup> E	2581	2881	10%
16 <sup>TH</sup> E	1115	1238	10%
46 <sup>TH</sup>	3832	4207	9%
MILLBOURNE	325	383	15%
MFL TOTAL			1%



# WHAT ARE OTHER AGENCIES DOING?

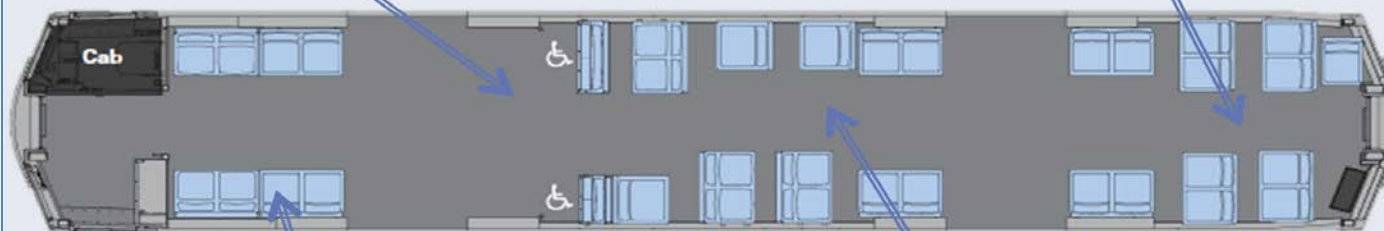


# PEER AGENCY RESPONSE



Fewer weather panels will help customers move to the center of the car

Two-by-two seats on non-cab end to maximize number of seats



Center-facing seats offer "safer" position in the rail car for customers

Staggered seats like the 3200





# MFL CAR REDESIGN







# CUSTOMER FEEDBACK



Nate Hommel  
@natehommel

+ Follow

@SEPTA\_MFL I love the new metal straps and ADA / rush hour standing space I'm seeing today! More! #StrapHanger



5:33 AM - 30 Mar 2015

# Q & A

## BIKE ACTION PLAN: IF YOU BUILD IT, “WHEEL” THEY COME?

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# THANK YOU!

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Southern Pennsylvania Transportation Authority

