

# Agenda

- Reason for meeting and welcome
  - Agenda for meeting - to celebrate successes, plan our future course and discuss how Bikeville and BWG can best work together in the years to come to make Greenville more bike/ped friendly – Dana (2 m)
  - Introductions
- Celebration of successes:
  - Renewal as a Bronze Level Bicycle Friendly Community
  - Update on current projects (River Street underpass) and Bikeville 2015 successes – Dana / Edward (10 m)
  - Emergence of BWG as the voice for active transportation in Greenville and top three accomplishments to date – Frank (5 m)
- BWG and Bikeville/City goals for bike/ped in Greenville:
  - BWG Strategic Plan and 2015-16 goals – Frank (5 m)
  - Bikeville 2015-16 goals/ current budget – Dana /Edward (5 m)
- Discussion for shared priorities in 2016 and beyond – Edward & Frank (45 m)
  - Available data – BWG database, bike counts, Strava, etc.
  - Discuss what it will take to become a Silver Level Bicycle Friendly Community
  - Discuss what it will take to become a Walk Friend Community
  - Status and future of City’s Complete Streets Ordinance
  - Scorecard of current 2011 Plan- Re-visit prioritized projects
  - Protected Bike Lane concept- where and how to advance (not in current plan)
- Plug for bike counts and volunteer sign ups – Edward (5 m)
- Next Steps- Dana



# Introductions

- **Dana Souza**- City of Greenville Parks & Recreation Director
- **Edward Kinney**- City of Greenville Landscape Architect and Bikeville Chair
- **Frank Mansbach**- Bike Walk Greenville
- **Attendees**
  - What brings you to this meeting?



# Celebration of Successes

- Bicycle Friendly Community- renewed at Bronze Level
- Recently Built Projects
  - Augusta Street Bypass
  - Hudson Street SRT trailhead- 40 spaces
  - Next Trail Connector (Boardwalk)
- Events
  - USA Cycling Criterion (2015-16)
  - Bike Valet at Fall for Greenville and Artisphere



# City of Greenville Future Projects

- River Street Underpass for SRT
  - Funding has been secured
- Cancer Survivors Park (SRT)
  - Replacement of existing grating bridge
  - New Alignment
  - Funding in progress
- Augusta Street Streetscape
  - Funded, in permit review, 2016 construction
  - Main Street to Field Street



# Bike Walk Greenville Accomplishments

- Bike Walk Greenville formed 2013
  - 501c3 status
  - Developed on-line tool for sidewalk and bike lane suggestions- nearly 800 to date
  - Partnered with Upstate Forever and Livewell to facilitate the first County Bike Walk Plan by Alta Planning + Design
  - Advocated with roads commission resulting in 101 bike walk projects inclusion in the Nov 2014 Roads Referendum
  - Produced award winning video advocating for active transportation to school
  - Partnered with Chamber lead group to educate voters on bike walk projects in referendum
  - Established BWG as voice for active transportation in Greenville County

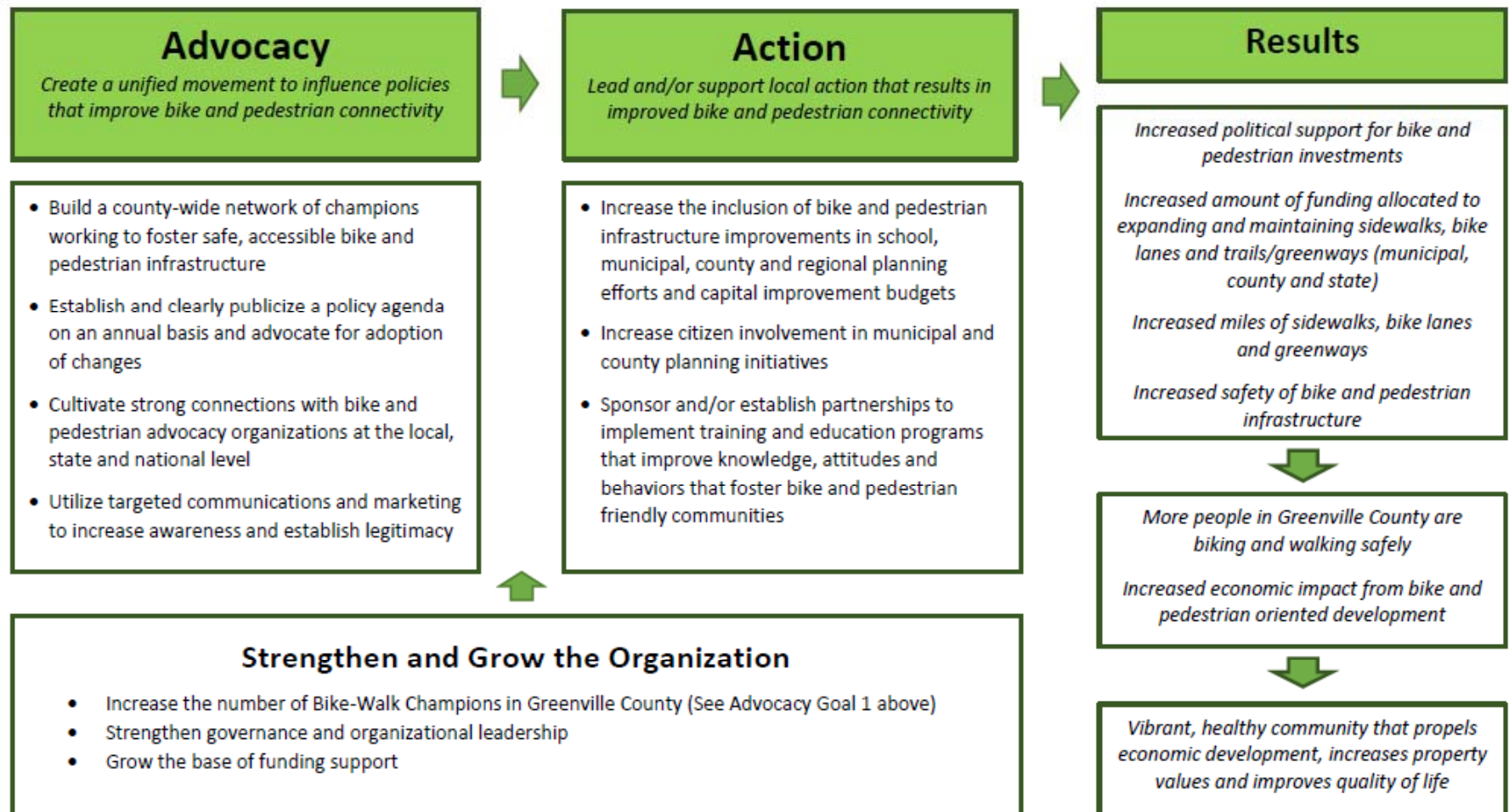


# Bike Walk Greenville Strategic Framework



**Vision:** *People in Greenville County can easily and safely walk and bike to places they want to go.*

**Mission:** *To promote the health, safety and economic vitality of Greenville County by advocating for bicycling and walking connectivity.*



# Bike Walk Greenville

- Fundraising Campaign started to move from being an all-volunteer organization and hire first staff person in 2016



**PLEDGE TO SUPPORT  
SAFER ROADS AND  
HEALTHIER CHILDREN  
IN GREENVILLE  
COUNTY!**

We're raising funds to build a safer community for our children and all the citizens of Greenville County.



# Local Government Budgets for Bike Walk Infrastructure

	Budget Year					
	FY 2014-5	FY 2015-6				
Jurisdiction	Amount	Amount	Sidewalks	Bike Lanes	Pedestrian Safety	Notes
<b>City Of Greenville</b>						
NSTEP	\$300,000	\$500,000	X			
North Main Road Diet	\$125,000	\$0		X	X	
Calhoun Street	\$244,450	\$0	X	X		
Haywood Rd Sidewalks	\$0	\$115,000	X			1800 LF
Woodruff Rd Sidewalks	\$0	\$120,000	X			4500LF
Note:						
<b>City of Greer</b>	\$50,000	\$50,000	X			
Traffic Calming	\$50,000	\$0			X	
<b>City of Fountain Inn</b>	\$0					
<b>City of Mauldin</b>	\$0					
<b>City of Simpsonville</b>	\$0					
<b>City of Travelers Rest</b>	\$0					
<b>Greenville County</b>	not a line item		X			500 LF Repair





# Other City Of Greenville Budgets for Bike Walk Infrastructure

	Funding To Date	FY 2014-5	FY 2015-6				
Jurisdiction	Amount	Amount	Amount	Bicycle Safety	Pedestrian Safety	New Section of multi-use trail	Notes
<b>City Of Greenville</b>							
<b>Park and Recreation Projects of Interest</b>							
River Street Underpass (SRT)	\$615,000	\$0	\$0	X			ARC Grant received
Cancers Survivors Park (SRT)	\$724,000	\$0	\$0	X	X		
Hudson Street Trailhead (SRT)	\$225,000						
NEXT Trail Connector (SRT)	\$681,000					X	
SRT Expansion to ICAR			\$2,500,000			X	Based on January 2015 vote, contingent on County funding
<b>Streetscape Projects</b>							
Rhett/ Camperdown			\$2,635,000		X		
Village of West Greenville		\$100,000	\$100,000		X		
Augusta Street		\$350,000			X		
Springs/ Falls		\$110,000			X		
Church St		\$275,000			X		



# Where are we heading?

- Silver Level Bicycle Friendly Community
- Walk Friendly Community



# Bike Lane Inventory

- City of Greenville has:
  - 20 Bike Lanes totaling 16 miles
  - Sharrows and designated Bike Routes such as Augusta Rd Bypass add 17 more miles
- Greenville County has approximately 3 miles
- Other Municipalities appear to have zero miles (need to verify)



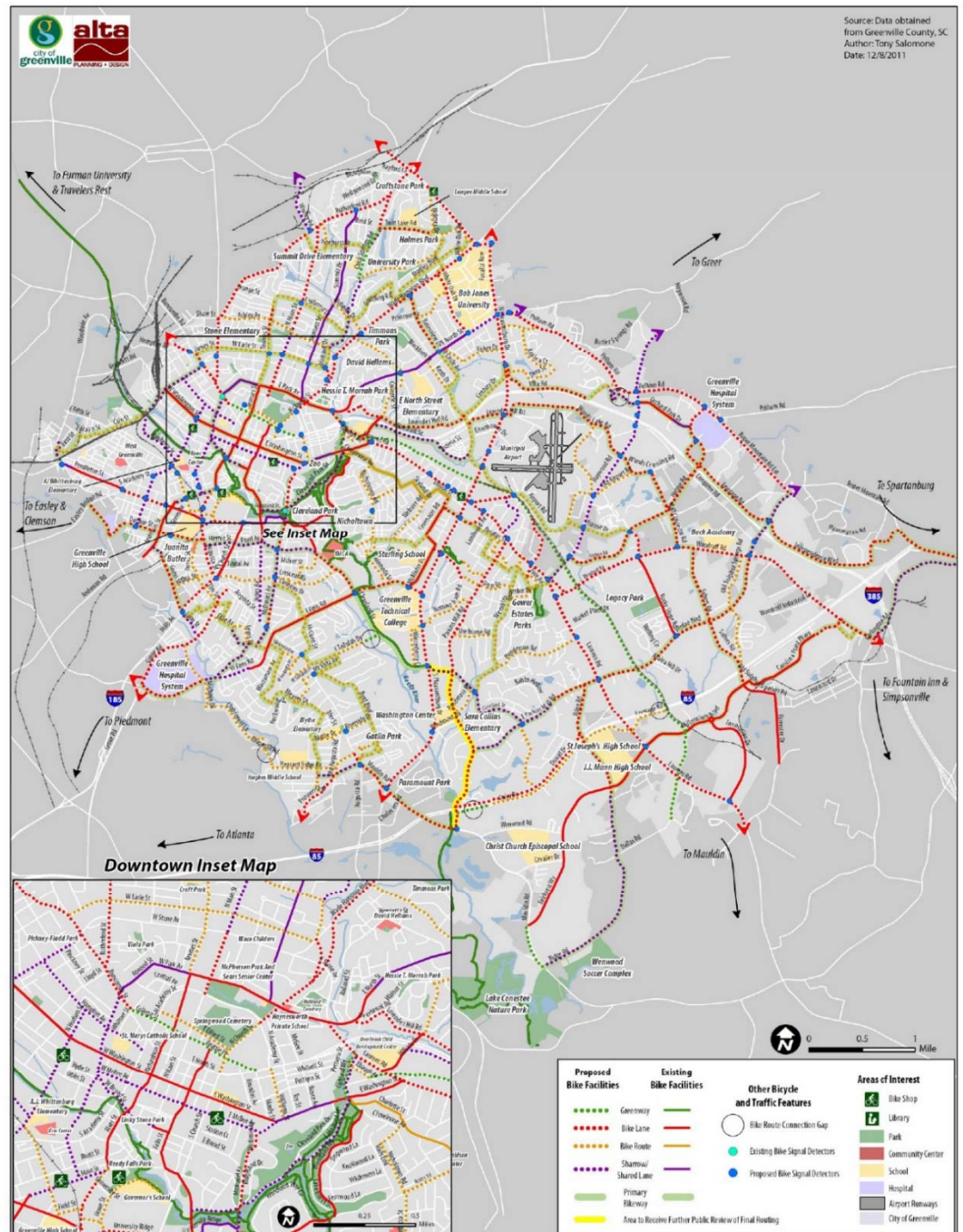
# Bicycle Friendly Community Feedback Report to Greenville Fall 2013

- Percentage of arterial streets with bike lanes
  - City of Greenville 12%
  - Average Bronze 33%
  - Average Silver 45%
- Bike facility network miles to total road miles
  - City of Greenville 10%
  - Average Bronze 25%
  - Average Silver 30%



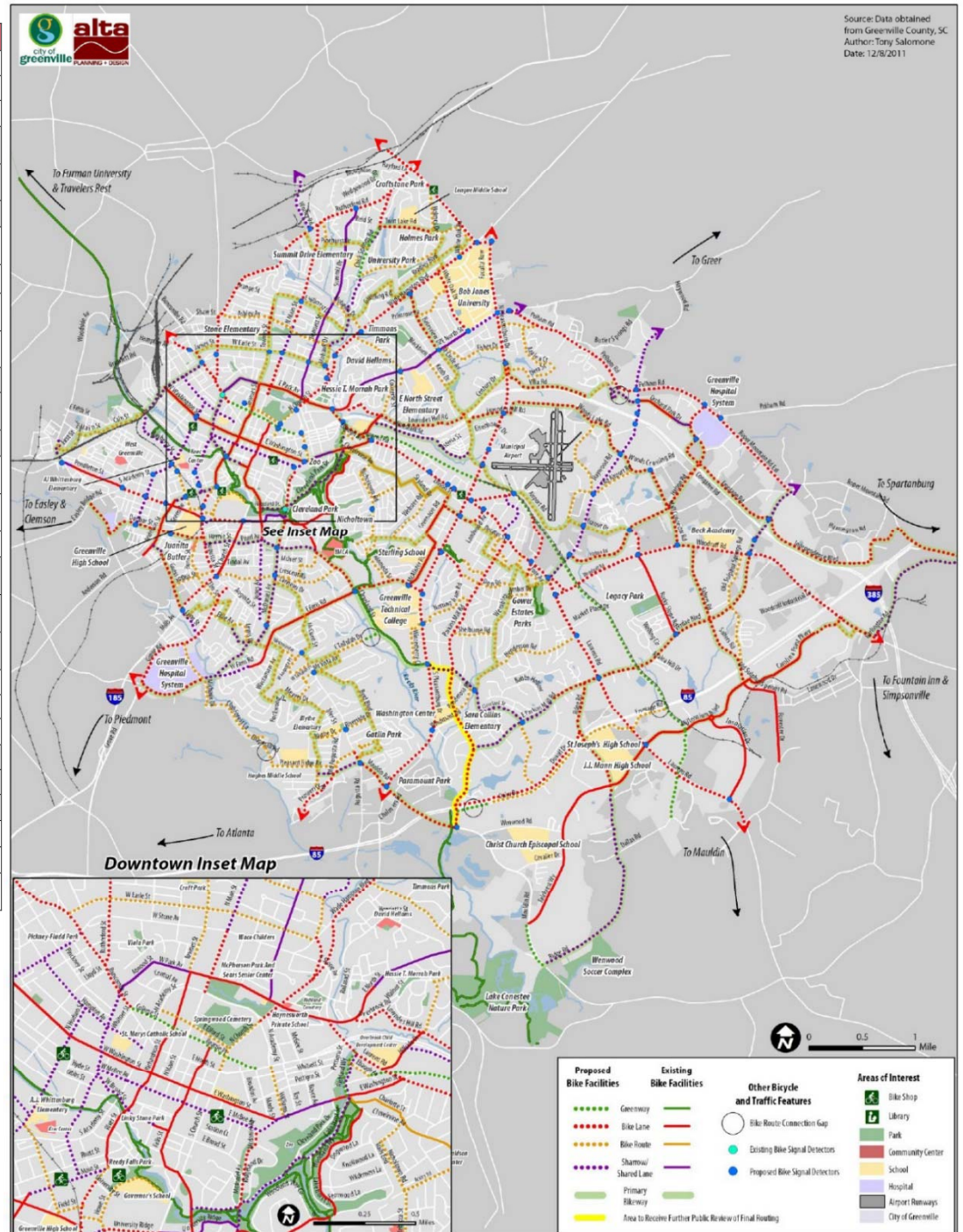
# Bicycle Master Plan 2010 - 2011

Facility Type	Length
Bike Lane	62.34
Sharrows	24.48
Bicycle Route	51.17
Multi-Use Path	7.61
<b>Total</b>	<b>145.60</b>





Criteria	Score	Multiplier	Total	Description
On a Primary Bikeway	2	3.0	6	Is on a designated primary bikeway
	1	3.0	3	Connects directly to a designated primary bikeway
	0	3.0	0	Does not directly or indirectly connect to a designated primary bikeway
Safety Corridor	2	3.0	6	Proposes a bicycle facility on a corridor with more than 1 reported bike crash (2005-2010)
	1	3.0	3	Proposes a bicycle facility on a corridor with at least 1 reported bike crash (2005-2010)
	0	3.0	0	Corridor does not have a reported bicycle crash (2005-2010)
Ease of Implementation	3	3.0	9	Bikeway project can be constructed/installed with little to no changes to the existing roadway
	2	3.0	6	Bikeway project is along City-owned right of way.
	1	3.0	3	Bikeway project can be constructed/installed with minor alterations to the existing roadway
Network Gaps	0	3.0	0	Bikeway project requires major alterations to the existing roadway or existing land development
	2	2.0	4	Facility fills a network gap between two existing bikeways
	1	2.0	2	Facility fills a network gap between an existing bikeway and a proposed bikeway
Destinations	0	2.0	0	Does not directly or indirectly fill a network gap
	2	2.0	4	Connects to a park, or major employment or commercial destination or hospital, or Swamp Rabbit Trail
	1	2.0	2	Connects to a community center, library, service agency, government facility, or minor commercial area
Cycle Zone Analysis (CZA) Scoring <sup>1</sup>	0	2.0	0	Does not directly or indirectly connect to a significant destination
	2	1.0	2	Bikeway located in zone with highest third of CZA difference (existing vs. proposed)
	1	1.0	1	Bikeway located in zone with middle third of CZA difference (existing vs. proposed)
Proximity to Schools	0	1.0	0	Bikeway located in zone with lowest third of CZA difference (existing vs. proposed)
	2	1.0	2	Direct access to a Greenville school (public, private, and post-secondary)
	1	1.0	1	Secondary access to a Greenville school (within 1/2 mile)
Transit Access	0	1.0	0	Does not directly or indirectly access a Greenville school.
	2	1.0	2	Bikeway connects to 6 or more transit stops
	1	1.0	1	Bikeway connects to 1-5 transit stops
Special Emphasis Neighborhoods	0	1.0	0	Bikeway does not directly connect to transit stops
	2	1.0	2	Bikeway is within special emphasis neighborhood
	1	1.0	1	Bikeway connects to a special emphasis neighborhood
0	1.0	0	Bikeway is not within and does not connect to a special emphasis neighborhood	



Source: Data obtained from Greenville County, SC. Author: Tony Salomone. Date: 12/8/2011



## Highest Priority Bike Lanes on Major Arterials

Rank	Corridor	Length	From	To	
1	Laurens Rd	5.67	Park Ave	City Limit	
2	Pleasantburg Dr	5.52	Cleveland St	City Limit	
3	Rutherford Rd	2.39	Poinsett Hwy	Pleasantburg Dr	
4	Augusta St	.77	University St	Otis St	Redundancy by Augusta Road Bypass
5	Rutherford St	.6	Buncombe St	Shaw St	Part of Cultural Corridor

\* \$133,170 / mi. avg. (UNC Highway Safety Research Center)

## Highest Priority Bike Lanes on Non-Arterials

Rank	Corridor	Length	From	To	
1	Pendleton St	.43	Vardry St	Academy St	
2	Dunbar St	.75	Augusta St	City Limit	Redundancy by ARBB
3	University Ridge	.28	Howe St	Church St	
4	Verdae Blvd – E Parkins Mil	2.46	Woodruff Rd	Isbell Ln	
5	Guess St	.58	Nelson St	Mills Ave	Redundancy by ARBB

\* \$133,170 / mi. avg. (UNC Highway Safety Research Center)



## Highest Priority Sharrows

Rank	Corridor	Length	From	To	
1	Hudson St	1.35	Hampton Ave	Dunbar St	Partial, SRT to Dunbar
2	Broad St	.81	Main St	Buncombe St	Partial, Washington to Buncombe
3	Haynie St	.54	Augusta	Cleveland St	
4	Woodlark St	1.02	Hillside Dr	Keith Dr	
5	Nelson	.10	Guess St	Anderson St	

\* \$4,000 / mi. avg. (BMP)

## Highest Priority Bike Routes

Rank	Corridor	Length	From	To	
1	Cleverage / Nicholtown	.81	Beechwood	Clark St	Complete Laurens Road Bypass
2	Mulberry / Willard / Cain	1.05	SRT	2 <sup>nd</sup> St	Sharrows on Willard
3	Alameda / Hilton Rd	.57	Clark Street	Faris Rd	
4	Burns / Elms	.66	Dunbar	Grove	Redundancy by Augusta Rd Bypass
5	Howe / Furman College Way	.53	University Ridge	End Furman Col. Way	

\* \$5,200 / mi. avg. (recent project)





## Multi-use Paths

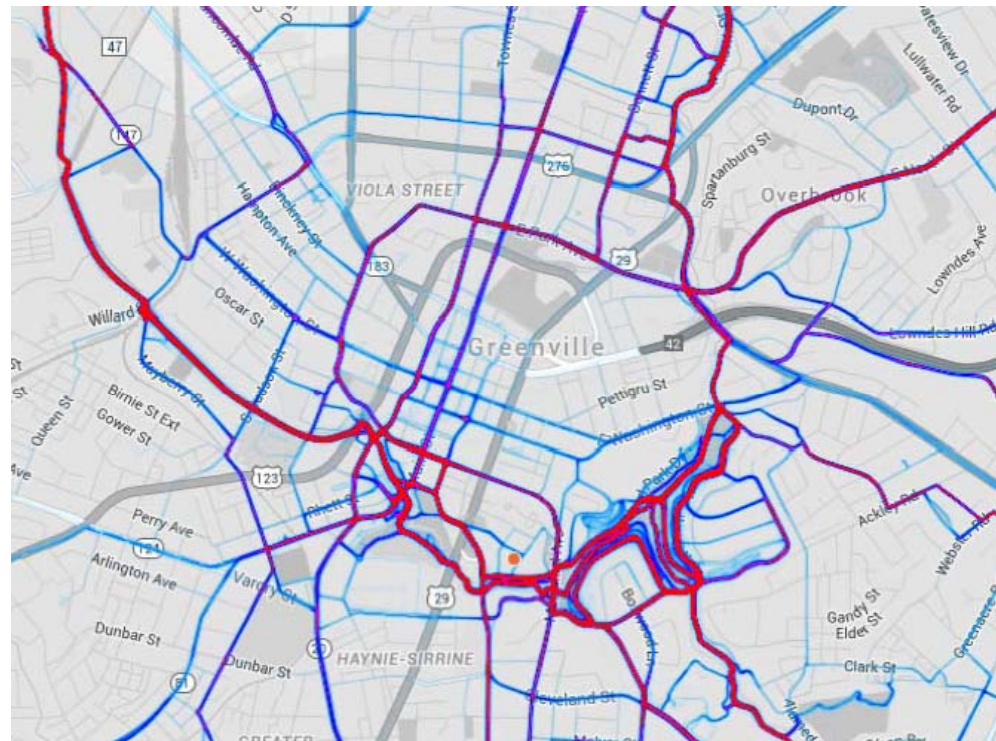
Rank	Corridor	Length	From	To	
1	BRT Trail	4.38	Traxler	Millenium Blvd	Future SRT extension to CU-ICAR
2	Beattie Pl	.68	Heritage Green	North St	Part of Cultural Corridor
3	Richland Way	.24	Washington St	Laurens	Future SRT extension to CU-ICAR
4	Chick Springs Greenway	.54	Twin Lakes Rd	Poinsettia Pl	

\* \$800,000 / mi. avg. (BMP)



# What are the next projects?

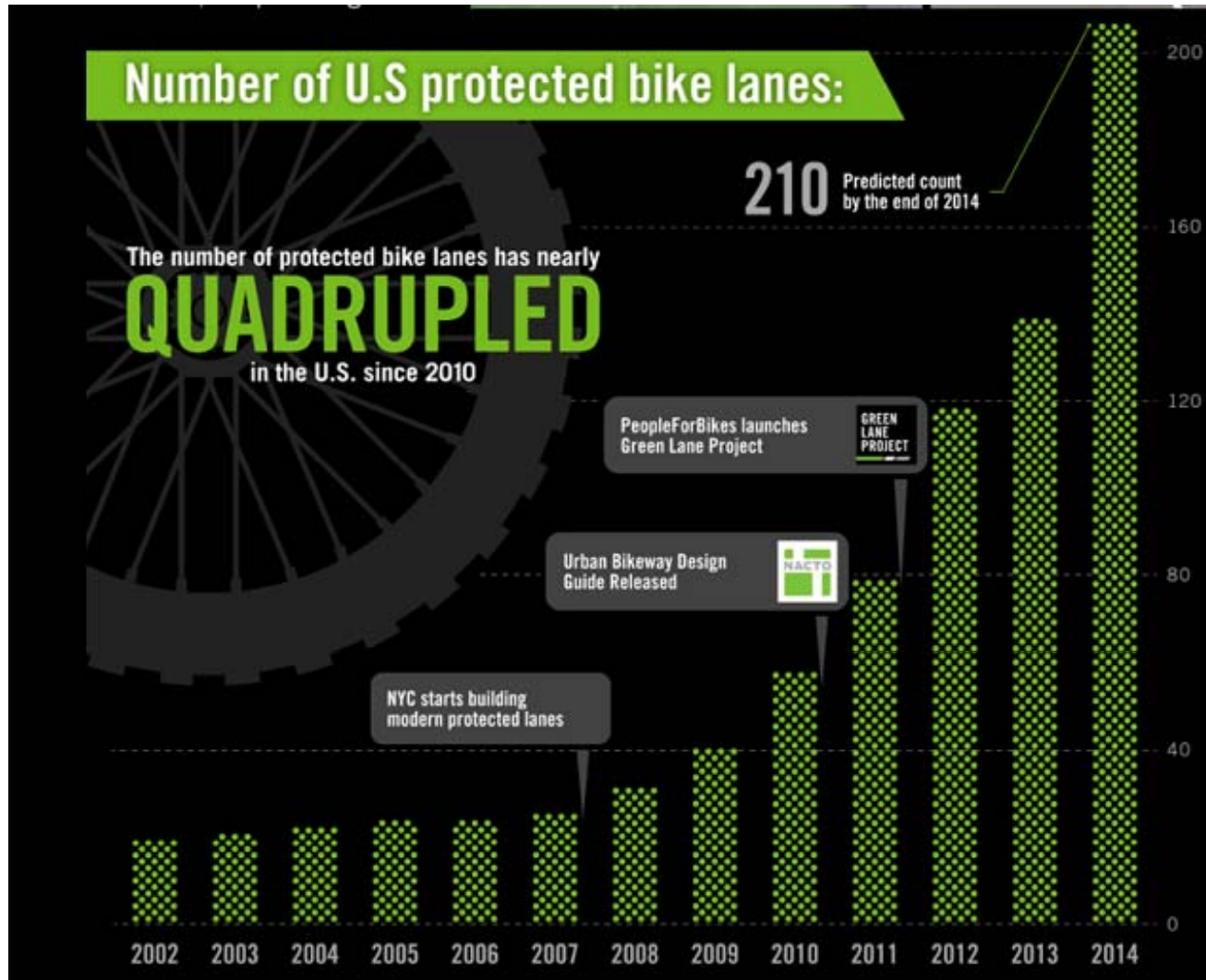
- Step 1- secure funding for 2011 Bicycle Mater Plan Report Card
- New Data:
  - Strava Heat Maps
  - BWG Survey of sidewalk and Bike Lane Needs
  - 2013 County Plan



# Protected Bike Lanes



<http://www.peopleforbikes.org/green-lane-project/>



## Types of protected bike lane separation:

**1/3**

USE PARKED CARS



**1/3**

USE PLASTIC POSTS



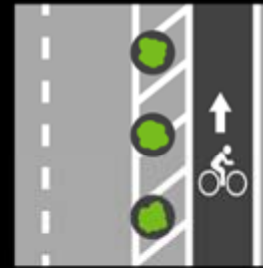
**1/3**

USE CURBS



**A FEW**

USE PLANTERS

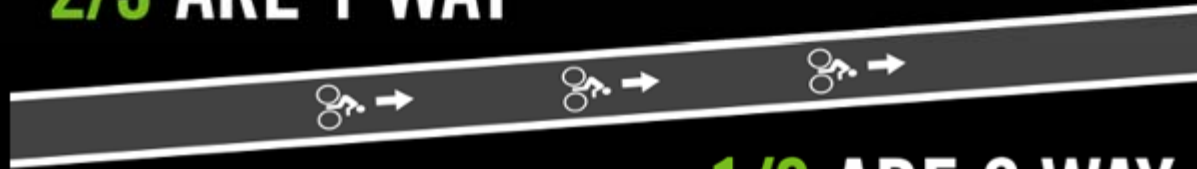


THE SHORTEST  
PROTECTED BIKE LANE:  
**.03 OF A MILE**

THE LONGEST  
PROTECTED BIKE LANE:  
**10.4 MILES**

THE AVERAGE  
PROTECTED BIKE LANE:  
**0.92 OF A MILE**

**2/3 ARE 1 WAY**



**1/3 ARE 2 WAY**

# Pedestrian and Bike Crash Data Greenville County 2012

- Pedestrian :128 Incidents (of 1081 state wide= 11.8%)
  - 13 Fatal
  - 26 Incapacitating
  - 36 Non-Incapacitating
  - 43 Possible Injury
  - 10 Not Injured
- Bike: 45 Incidents (of 449 statewide= 10%)
  - 4 Fatal
  - 4 Incapacitating
  - 13 Non-Incapacitating
  - 20 Possible Injury
  - 4 Not Injured



# Group Discussion

- What projects do you suggest?





# Bike Count

- Still need volunteers for Wed Oct 21 7AM to 9 AM and Sat Oct 24 10AM to 12Noon
- Email to [ekinney@greenvillesc.gov](mailto:ekinney@greenvillesc.gov)

