

# Don't be Left Behind: Make Your Community More Walkable Now



# Speakers

- Samantha Thomas  
Blue Zones, LLC
- Christopher A. Coes  
Responsible Real Estate Developers & Investors
- Nate Johnson  
Coastal Carolinas Association of Realtors®



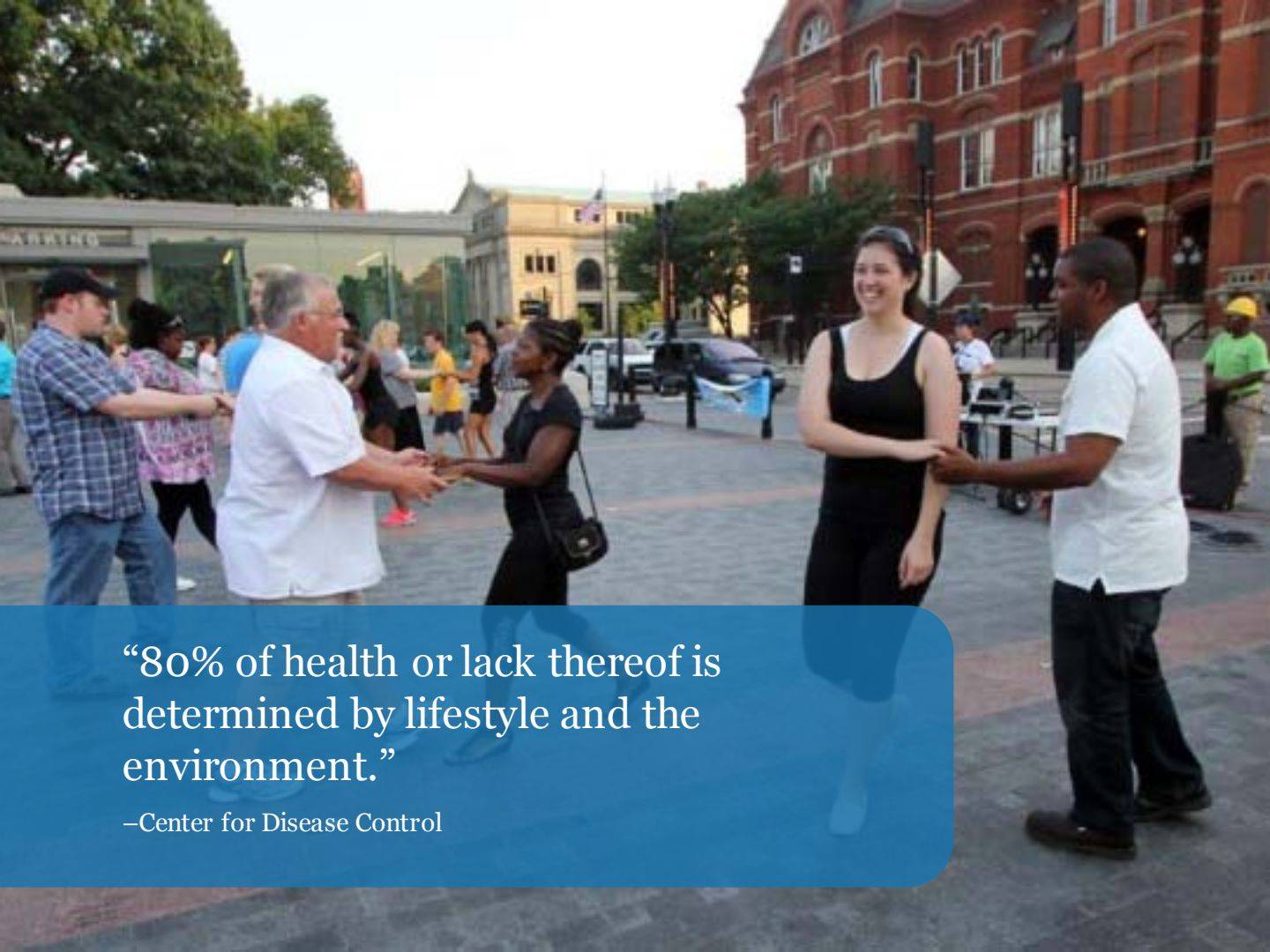






“We know very much about the habitat of Siberian Tigers and Mountain Gorillas, but only very little about the habitat of homo sapiens.”

- Enrique Penelosa



“80% of health or lack thereof is determined by lifestyle and the environment.”

–Center for Disease Control







# What is Healthy Built Design?

## Well-Connected Streets



Driving-only transportation pattern

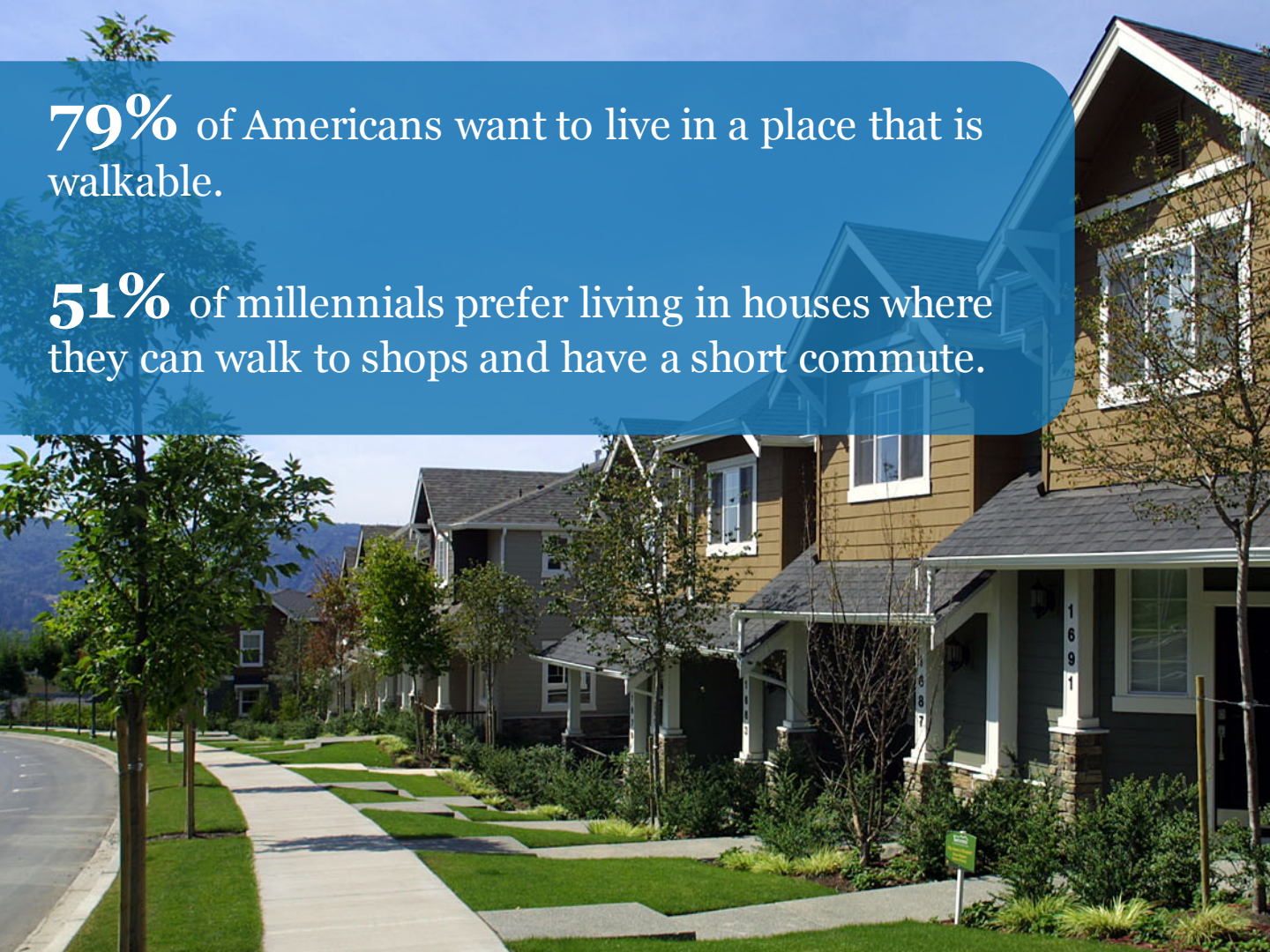


Walkable connected transportation network



**79%** of Americans want to live in a place that is walkable.

**51%** of millennials prefer living in houses where they can walk to shops and have a short commute.







Only **14%** of today's neighborhoods are walkable; demand is far outpacing supply.  
(Source: National Association of Realtors, 2015)

# LIFE RADIUS

## INDIVIDUAL



HOME



SOCIAL NETWORKS



PURPOSE/  
VOLUNTEERING

## PLACES



STORES



WORKPLACES



RESTAURANTS



SCHOOL



FAITH

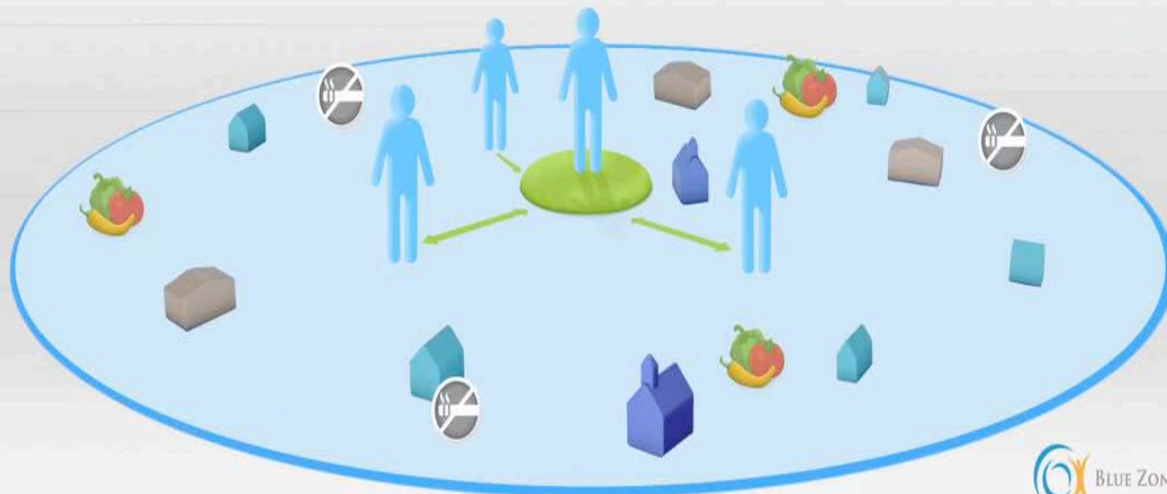
## POLICY



FOOD



TOBACCO



5 MILES

# Walk Score Lookup

[www.walkscore.com](http://www.walkscore.com)



Get Scores

Find Apartments

My Favorites

Add to Your Site

## Live Where You Love



Type an address, neighborhood or city





# How Does Your Community Compare?

Walk Score®

Description

**90-100**

**Walker's Paradise**

Daily errands do not require a car.

**70-89**

**Very Walkable**

Most errands can be accomplished on foot.

**50-69**

**Somewhat Walkable**

Some errands can be accomplished on foot.

**25-49**

**Car-Dependent**

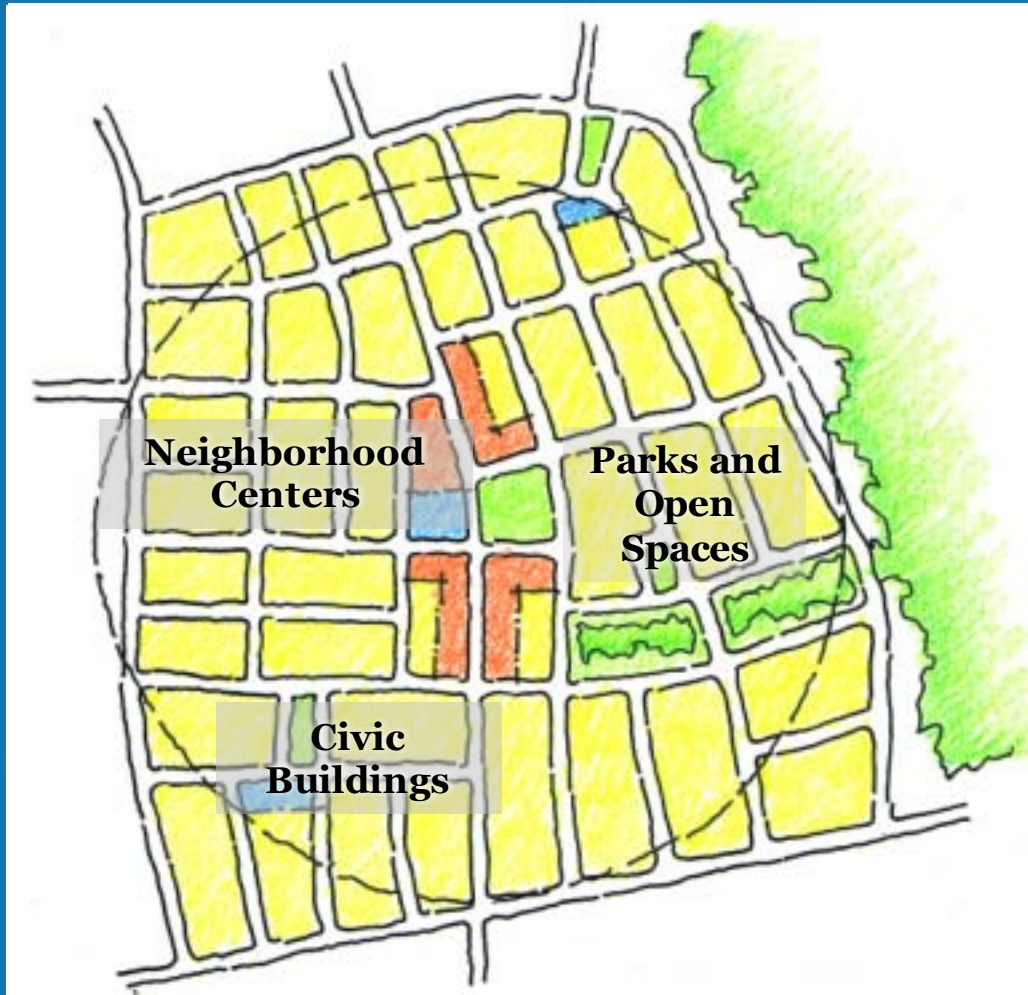
Most errands require a car.

**0-24**

**Car-Dependent**

Almost all errands require a car.

# Towards fine grain networks for people (5 min walk)



# Keys To Achieving Walkability



Security

Comfort

-- Safety

Convenience

Efficiency

Welcome



# Keys To Achieving Walkability & Well-Being



Security



Comfort



Convenience & Efficiency



Welcome/  
Liveliness



LOVABILITY & WELL-BEING









on the BEACH  
376-886

Paradise Pier ↑





Thank you!

[Samantha@bluezones.com](mailto:Samantha@bluezones.com)





Nate Johnson  
Vice President Government  
Affairs

Coastal Carolinas Association of  
REALTORS®

Located in Myrtle Beach South  
Carolina.

Members: Over 3,500 serving in  
Horry and Georgetown Counties.



# Introduction: Why Walkability?

Myrtle Beach South Carolina averages 18 million visitors per year.

1.2 mile Boardwalk

Ocean Boulevard – Miles of improvements.

Market Common – Live Work Community



# Kings Highway – Walk able?





**The *Walkshop* was made possible by a grant from National Association of REALTORS and local funding from Coastal Carolinas Association of REALTORS and City of Myrtle Beach.**



**Walkshop facilitation and report by:**

Dan Burden  
Director of Innovation and Inspiration  
Blue Zones, LLC

Samantha Thomas  
Built Environment Manager



# Process: Walkshop



Community leaders of Myrtle Beach came together for a walkability workshop, or “walkshop,” on June 30, 2016. Myrtle Beach was the first community in the U.S. to receive the grant award by the National Association of REALTORS for a pilot Walkability Workshop, due to the strong local partnership between the Coastal Carolinas Association of REALTORS and City. Facilitated by Dan Burden, national walkability expert, and Samantha Thomas of Blue Zones, LLC, walkshop participants worked together to strengthen their vision for Kings Highway. A vision where the Highway is seen as a public place that is safer and more inviting to all people of all ages and transportation modes, supporting healthy lifestyle choices, active living, thriving businesses, and an age-friendly community.

# Kings Highway Walking Audit



*When people walk together, they not only are in step with one another, they discover together, dream together, and achieve together.*

Dan Burden, Director of Innovation & Inspiration



# Putting it Together

## Myrtle Beach Key Findings:

- A need to address target speed and design speed to ensure in areas where there are community destinations— schools, parks, houses, commercial, or civic— streets are designed to ensure the highest level of safety.
- **A need to address overly wide travel lanes by setting the default travel lane width for all residential, downtown, and town streets posted 35 mph or less to 10-foot wide.**
- A need to ensure that all buildings front the street.
- A need to provide shade.
- A need to Complete Streets through a context sensitive approach.
- A need to improve connectivity and ensure a mix of uses.

Towards this end, cities that aim to improve the ability of people to walk, bicycle, socialize and “age in place,” need to adopt the following overarching opportunities and short- to long-term projects on the following slides.

# Next Steps: Short-Term

This section includes further illustration of several of the next steps for ‘**low-hanging fruit**’ or **short-term** initiatives that were identified during the Walkability Workshop, many of which can be achieved within ‘100-days’ [of receiving this report].

- ***Move Paint:***
  - Narrow Travel Lanes to 10 Feet and Add Bike Lanes
  - Remove Yellow Centerlines on East-West Streets and Add Bold Edge Stripes and Sharrows
- ***Improve Marked Crossings:*** Paint High Visibility Crossings on all Legs of Intersections
- ***Sidewalk Maintenance:*** Trim shrubs
- ***Adjust Signal Timing***
- ***Organize a “Demonstration” Project:*** Build a Mini Circle on East-West Streets
- ***Adopt a “Roundabouts First” Policy; Build a Model*** (short- to mid- term)

# Next Steps: Mid-Term

**Mid-term** initiatives that were identified during the Walkability Workshop:

- *Install Bike Racks and Sidewalk Furniture (i.e. benches)*
- *Underground Utilities*
- *Install Curb Extensions at Avenues*
- *Celebrate Place with Historic Markers and Wayfinding (signage)*
- *Install Roundabouts*



# Next Steps: Long-Term

**Long-term** initiatives that were identified during the Walkability Workshop:

- *Change State Law to “Stop for Pedestrians”*
- *Identify and Incentivize Village Development along Kings Highway*
- *Install a Bike Share Program*
- *Improve Sidewalks along Kings Highway*
- *Improve Bus Shelters along Kings Highway*
- *Install Mid-Block Crossings with Pedestrian Crossing Islands along Kings Highway*
- *Install Roundabouts at Existing Signalized Intersections*
- *Full Revitalization of Kings Highway*

**Bicycle & Pedestrian Committee  
High-Use Bicycle/Pedestrian Corridors**

Legend	
City Streets	
State Streets	
A = High Priority   B = Moderate Priority   C = Low Priority	

Street	Segment	Improvements	Priority: Post Storm & Normal Use	Priority Paint	Bicycle Accidents 2009-2015	Pedestrian Accidents 2009-2012
21 <sup>st</sup> Avenue N	Ocean Blvd > Kings Hwy	Bike Lanes or Sharrows	A	XXXXXX	3	2
22 <sup>nd</sup> Avenue N	Kings Hwy > Hwy 17 Bypass	Bike Lanes	A	XXXX	7	7
23 <sup>rd</sup> Avenue N	Between Gilliam & John 14 Homestead	High visibility crosswalk for home driveway of the South and the Pelicans Field	A	X	2	0
Farrow Parkway Trails	Hwy 17 Bypass to Kings Hwy	Sharrows	A	X	0	0
7 <sup>th</sup> Ave N	Kings Hwy > Ocean Blvd	Walk lanes and bike lanes	A	X	0	0
6 <sup>th</sup> Ave N	Kings Hwy > Ocean Blvd	Walk lanes	A		1	0
5 <sup>th</sup> Ave N	Kings Hwy > Ocean Blvd	Walk lanes	A		0	1
4 <sup>th</sup> Ave N	Kings Hwy > Ocean Blvd	Walk lanes	A		0	0
3 <sup>rd</sup> Ave N	Kings Hwy > Ocean Blvd	Walk lanes	A		0	0
2 <sup>nd</sup> Ave N	Kings Hwy > Ocean Blvd	Walk lanes	A	X	1	0
1 <sup>st</sup> Ave N	Kings Hwy > Ocean Blvd	Walk lanes	A		0	0
1 <sup>st</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
4 <sup>th</sup> Ave S	3 <sup>rd</sup> Ave S > Ocean Blvd	Walk Lanes	A		1	0
5 <sup>th</sup> Ave S	Kings Hwy > Youpon Dr	Walk Lanes	A		0	0
6 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	1
9 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Sharrows	A		-	-
10 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd					
11 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd					

Street	Segment	Improvements	Priority: Post Storm & Normal Use	Priority Paint	Bicycle Accidents 2009-2015	Pedestrian Accidents 2009-2012
12 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
14 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
15 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
19 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Bike Lanes	A	X	0	0
22 <sup>nd</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
23 <sup>rd</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
24 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
25 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Sharrows	A	X	0	0
26 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
27 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Sharrows	A	X	0	0
28 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
29 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A	X	0	0
3 <sup>rd</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A	X	0	0
7 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		1	0
13 <sup>th</sup> Ave S	Pridgen Rd > Beaver Rd	Sharrows, reduce speed limit	A	X	1	0
18 <sup>th</sup> Ave S	Ocean Blvd > Beaver Rd	Sharrows, reduce speed limit	A	X	1	1
16 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes North Side Only	A	X	0	0
17 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	1
18 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
20 <sup>th</sup> Ave S	Kings Hwy > Ocean Blvd	Sharrows	A	X	0	0
21 <sup>st</sup> Ave S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
8 <sup>th</sup> Avenue S	Kings Hwy > Ocean Blvd	Walk Lanes	A		0	0
					0	0
					0	0



Street	Segment	Improvements	Priority: Post Storm & Normal Use	Priority Paint	Bicycle Accidents 2009-2015	Pedestrian Accidents 2009-2012
3rd Avenue S	Kings Hwy > Ocean Blvd	Sharrows		X	2	0
Jimmie D' Angelo Way	Kings Hwy > Ocean Blvd	Bike lanes or sharrows		XX	0	0
Ocean Boulevard	Jimmie D' Angelo Way > Kings Hwy	High visibility crosswalks at all intersections	A	X	0	0
Ocean Boulevard	29th Ave S > Kings Hwy	Sharrows	A	XX	0	0
Ocean Boulevard	At Damons	High visibility crosswalk		XX	0	0
Ocean Boulevard	Cabana Section	Sharrows	A	XXXX	2	0
Olender Drive	Harrelson Blvd > Resford Dr	Sharrows			0	0
Kings Highway	79th Ave N > northern city limits	Sharrows		X	0	1
Kings Highway	Entire length	High visibility crosswalks at all intersections		X	17	18
82nd Parkway	Kings Hwy > Highway 17 Bypass	Sharrows		X	0	0
Roadway Street	Hwy 501 > Collins St	Sharrows		X	0	0
Highway 15	Hwy 501 & Harrelson Blvd	Sharrows		XX	1	1
18th Avenue N	Ocean Blvd > Kings Hwy	Sharrows			0	0
18th Avenue N	Kings Hwy > Elmendorf Dr	Sharrows			1	0
17th Avenue S	Kings Hwy > Highway 15	Sharrows		XX	2	1
Oak Street	3rd Ave N & 48th Ave N	Sharrows		X	1	1
Avenues with Coast RTA stops	Kings Hwy > Ocean Blvd	Walk lanes	A			
79th Avenue N	Ocean Blvd > Marina Pkwy	Bike lanes / sharrows		X	0	0
67th Avenue N	Kings Hwy & Colonial Dr	Walk lane	A		1	0
67th Avenue N	Colonial Dr > Hwy 17 Bypass	Walk lane	A		0	0
Olender Drive	48th Ave N > Resford Dr	Sharrows			0	0
Olender Drive	Azeala Ct > Resort Dr	Sharrows where there is no bike lane			1	0
Carson Street	Mr. Joe White Ave & 21st Ave N	Sharrows / bike lanes	C		1	0

Street	Segment	Improvements	Priority: Post Storm & Normal Use	Priority Paint	Bicycle Accidents 2009-2015	Pedestrian Accidents 2009-2012
Dunbar Street	Mr. Joe White Ave > Futrell Dr	Bike lanes or sharrows	C		0	0
Dunbar Street	Futrell Dr > 21st Ave N	Bike lanes or sharrows	C		1	1
Mr Joe White	Kings Hwy > Ocean Blvd	Bike lanes or sharrows		X	0	0
62nd Avenue N	Marina Pkwy > Ocean Blvd	Sharrows		XXXX	3	2
Pridgin Road	17th Ave S > Hwy 15	Sharrows and walk lanes		XX	1	0
Wine Island Road	Hwy 15 & Gibson Pkwy	Sharrows		XX	2	0
All bike lanes		Paint a solid color	C			
All bike lanes		Paint directional arrows	C	X		
All bike lanes		Paint the bike lane stencils a minimum of 1/4 mile apart	C	X		
All multipurpose paths		Paint the bike lane stencils a minimum of 1/4 mile apart to distinguish the multipurpose path from a sidewalk	B			
All streets with a walk or bike lane		Replace the solid double yellow center line with a single dashed center line.	C			
Key, high pedestrian traffic intersections		Artistic crosswalks				
East Coast Greenway	South of Harrelson	Clean up sand		X		
18th Ave N	Oak St > Hwy 17 Bypass	Sharrows		X	3	0
79th Ave N	Ocean Blvd > Oak St	Sharrows		X	1	0



This is a sharrow



# Resolution

WHEREAS, the Coastal Carolinas Association of Realtors received a grant to have a Walkability Audit conducted in the City of Myrtle Beach; and

WHEREAS, Dan Burden and his team of walkability experts from Blue Zones conducted the Myrtle Beach Walkability Audit June 20 & 30; and

WHEREAS, Mr. Burden demonstrated some inexpensive and effective bicycle and pedestrian improvement techniques using little more than roadway paint; and

WHEREAS, a “sharrow” is a shared-lane street marking placed in the travel lane to indicate where people should preferably cycle as demonstrated here:

NOW THEREFORE BE IT RESOLVED that the Myrtle Beach Bicycle and Pedestrian Advisory Committee hereby recommends the following roadway painting projects be undertaken as soon as is feasible:



1. 21<sup>st</sup> Avenue North between Ocean Blvd and Kings Highway: bike lanes if the roadway is wide enough, sharrows if not.
2. 21<sup>st</sup> Avenue North between Kings Highway and Highway 17 Bypass: bike lanes.
3. Ocean Boulevard in the Cabana Section: sharrows.
4. 62<sup>nd</sup> Avenue North between Marina Parkway and Ocean Boulevard: sharrows.
5. 11<sup>th</sup> Avenue South between Kings Highway and Ocean Boulevard: walk lanes.
6. Jimmie D'Angelo Way: bike lanes if the roadway is wide enough, sharrows if not.
7. Ocean Boulevard between 29<sup>th</sup> Avenue South and Kings Highway: bike lanes if the roadway is wide enough, sharrows if not.
8. Ocean Blvd near Damon's Restaurant: high visibility crosswalk.
9. Highway 15 between Highway 501 and Harrelson Boulevard: sharrows.
10. 17<sup>th</sup> Avenue South between Kings Highway and Highway 15: sharrows.
11. Pridgen Road between 17<sup>th</sup> Avenue South and Highway 15: sharrows and walk lanes.
12. Pine Island Road between Highway 15 and Grissom Parkway: sharrows.

WHEREAS, Mr. Burden demonstrated some inexpensive and effective bicycle and pedestrian improvement techniques using little more than roadway paint; and



WHEREAS, a "sharrow" is a shared-lane street marking placed in the travel lane to indicate where people should preferably cycle as demonstrated here:

NOW THEREFORE BE IT RESOLVED that the Myrtle Beach Bicycle and Pedestrian Advisory Committee hereby recommends the following roadway painting projects be undertaken as soon as is feasible:

- Not Advise*
1. 21<sup>st</sup> Avenue North between Ocean Blvd and Kings Highway: bike lanes if the roadway is wide enough, sharrows if not.
  2. 21<sup>st</sup> Avenue North between Kings Highway and Highway 17 Bypass: bike lanes.
  3. Ocean Boulevard in the Cabana Section: sharrows.
  4. 62<sup>nd</sup> Avenue North between Marina Parkway and Ocean Boulevard: sharrows.
  5. 11<sup>th</sup> Avenue South between Kings Highway and Ocean Boulevard: walk lanes. *CL removal & add 1 WALK*
  6. Jimmie D'Angelo Way: bike lanes if the roadway is wide enough, sharrows if not.
  7. Ocean Boulevard between 29<sup>th</sup> Avenue South and Kings Highway: bike lanes if the roadway is wide enough, sharrows if not.
  8. Ocean Blvd near Damon's Restaurant: high visibility crosswalk. *Need m: block crosswalk*
  9. Highway 15 between Highway 501 and Harrelson Boulevard: sharrows.
  10. 17<sup>th</sup> Avenue South between Kings Highway and Highway 15: sharrows.
  11. Pridgen Road between 17<sup>th</sup> Avenue South and Highway 15: sharrows and walk lanes. *Ryan to check*
  12. Pine Island Road between Highway 15 and Grissom Parkway: sharrows.

Sign, Sealed and Adopted by the Myrtle Beach Bicycle and Pedestrian Advisory Committee by unanimous vote this 15<sup>th</sup> Day of November, 2016.

Attest: \_\_\_\_\_

Bill Pritchard, Chairman

Nate Johnson  
Vice President Government  
Affairs

Coastal Carolinas Association of  
REALTORS®

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# Questions