



- Recommendations
  - Connectivity
  - Beautification
- **Evaluated US 70 Bypass Impacts**
- **Presented Conceptual Designs** 
  - Crash Data
  - **Public Recommendations**









A plan to enhance the safety and mobility of Beaufort's citizens, visitors, businesses that celebrates the unique cultural identity and heritage of Beaufort, North Carolina.





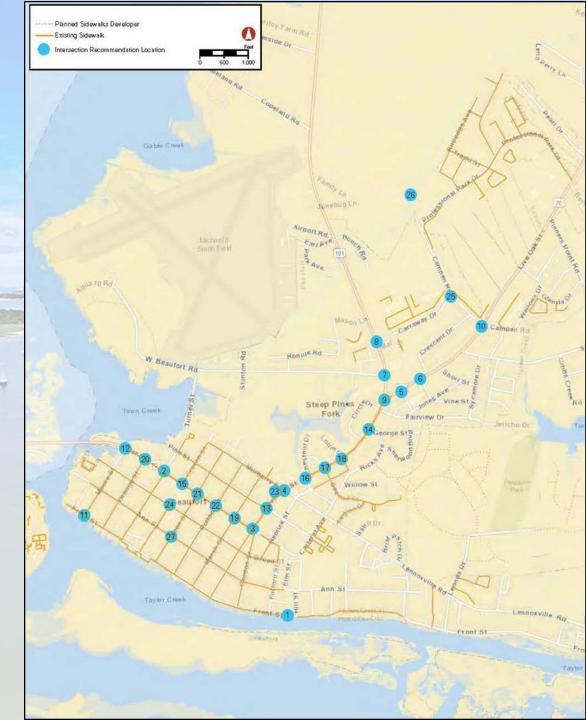




### **Intersection Recommendations**

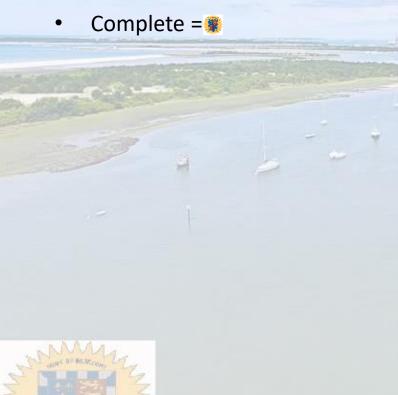
- Safer Crossings
- Accessibility Improvements





### **Intersection Recommendations**

Progress

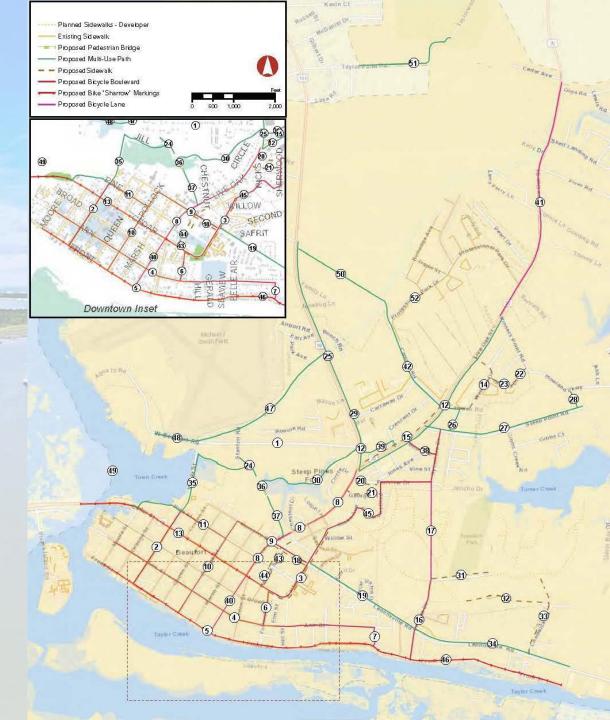


Map Id No.	Location	Facility	Cost	Term
1	Front St (Between Hill St & Fulford St	Mid-block crossing	\$8,100	Short
2	Tuner St & Cedar St	Pedestrian signals, crosswalks, drive- way closings	\$54,600	Long
3	Live Oak St & Cedar St	High-Visibility Crosswalk, Signals, ADA Facilities	\$42,500	Mid
4	Live Oak St & Mulberry St	Pedestrian signals (3), high-visibility crosswalks, ADA Curb Ramps	\$54,400	Mid
5	Center St & Live Oak St	Crosswalk	\$3,600	Short
6	Carteret St & Live Oak St	Crosswalk	\$3,600	Short
7	NC 101 & W Beaufort Rd	Crosswalk	\$2,700	Short
8	Carraway Dr & NC 101	High-Visibility Crosswalk, Signals, ADA Facilities	\$42,500	Short
9	NC 101 & Live Oak St	Construct roundabout, crosswalks	\$1,200,000	Short
10	Live Oak St & Campen Rd	High-Visibility Crosswalk, Signals, ADA Facilities	\$42,500	Short
11	Front St & Moore St	ADA curb ramps	\$3,600	Mid
12	Cedar St& Moore St	ADA curb ramps, Crosswalk	\$4,500	Short
13	Pine St & Live Oak St	ADA curb ramps, Crosswalk	\$20,000	Mid
14	Live Oak St & George St	ADA curb ramps, Crosswalk	\$3,600	Short
15	Craven St & Cedar St	ADA curb ramps, Crosswalk	\$20,000	Mid
16	Chestnut St & Live Oak St	ADA curb ramps, Crosswalk	\$4,500	Short
17	Second St & Live Oak St	ADA curb ramps, Crosswalk	\$4,500	Short
18	Third St & Live Oak St	ADA curb ramps, Crosswalk	\$4,500	Short
19	Marsh St & Cedar St	ADA curb ramps, Crosswalk	\$20,000	Mid
20	Orange St & Cedar St	ADA curb ramps, Crosswalk	\$20,000	Mid
21	Queen St & Cedar St	ADA curb ramps, Crosswalk	\$20,000	Mid
22	Pollock St & Cedar St	ADA curb ramps, Crosswalk	\$20,000	Mid
23	Live Oak St & NC 101	ADA curb ramps, Crosswalk	\$14,500	Mid
24	Craven St & Broad St	Add shelter, seating, and schedule sig- nage, crosswalks, ADA curb ramps	\$38,100	Long
25	Campen Rd & Carraway Dr	Pedestrian-Activated Signal	\$16,000	Long
26	NC 101 & Campen St	Ramps, Crosswalk, Pedestrian Signal	\$31,000	Short
27	Queen St & Ann St	Crosswalk, ADA Facilities, Increase Curb Radi	\$10,000	Short

Table : Intersection Recommendations

### **Facility Recommendations**

- Safer Crossings
- Accessibility Improvements





**Potential Projects** 



	Мар	Facility Type	On Road	From	То	Cost	Term	Мар	Facility Type	On Road	From	То	Cost	Term	
	1	Biko Sharrow Markings	W. Beaufort Rd	NC 101	Tumer Av	\$8,867	Mid	28	Multi-Use Path	New Loca- tion	Howland Parkway	Steep Point Landing	\$75,817	Short	
	2	Bike Boule- vard	Turner St	Pine St	Front St	\$4,661	Long	29	Siclowalle	Carraway	NC 101	End of	\$70,440	Mid	
į	3	Sidewalk	Carteret Ave	Third Street	Fulford Street	\$764,604	Mid	30	Multi-Use	Off-Road	NC 101	sidewalk Pro-	\$553,410	Mid	
	4	Bike Boule- vard	Ann St	OceanSt	Turner Ave	\$14,552	Long		Path		/ Ace Hardware	posed Trail			
	5	Biko Sharrow Markings	FrontSt	Moore St	Bol Air St	\$13,642	Mid	31	Siclowalk	Freedom Park Dr	Chad- wick Rel	Leonda Dr	\$449,329	Mid	
	6	Bike Boule- vard	Fulford St	BroadSt	Ann St	\$2,274	Mid	32	Sickwalk Sickwalk	Conway Rd Chadwick	Freedom	I	\$649,789 \$617,827	Mid Mid	
	7	Bike Lane	Ocean Rd	Ann St	Front St	\$34.881	Short	دد	Siciewalic	Rd	Park Dr	Lennox- ville Rd	3017,027	MIKI	
	8	Bike Lane	Live Oak Rd	NC 101	Codar St	\$304,119	Mid	34	Multi-Use Path	Lennoxville Rd	Leonda Dr	Chad- wick Rd	\$716,850	Mid	4116
	9	Bike Boule- vard	Mulberry St	Pollock St	Codar St	\$4,434	Mid	35	Multi-Use Path	Tumer Ave Off-Road	Proposed Trail	Coclar St	\$774,036	Mid	
	10	Bike Boule- vard	Pollock St	Mulberry St	Front St	\$5,684	Mid	36	Podestrian Bridge	New Loca- tion	N/A	N/A	\$998,451	Short	100
	11	Bike Boule-	Pine St	Carteret	Turner	\$3,183	Mid	37	Multi-Use Path	New Loca- tion	N/A	N/A	\$194,800	Short	1
	12	Multi-Use	Live Oak St	Pinners	Av NC 101	\$487,001	Long	38	Bike Boule- vard	Short St	Syca- more Dr	Live Oak St	\$2,160	Short	
	13	Path Bike Sharrow Markings	(Ph. I) Codar St	Point Rd Fulford St	Turner Av	\$10,345	Mid	39	Multi-Use Path	Ace Park- ing Lot (recksign)	Live Oak St	NC101	\$176,169	Mid	
	14	Sidowalk	Wellons Dr	Live Oak St	Lock- hart Dr	\$563,213	Mid	40	Bike Lane	Live Oak Rd	Codar St	Front St	\$82,585	Short	
	15	Sidowalk	Live Oak St	NC 101	Campen Rd	\$735,204	Long	41	Bike Lane	Live Oak St (Ph. II)	Olga Rd	Pinners Point	\$436,441	Mid	
	16	Bike Boule- vard	Lenoda Dr	Freedom Park Rd	Front St	\$4,547	Short	42	Multi-Use	Campen Rd	Lockhart	Rd US 70	\$637,344	Long	
	17	Bike Lane	Future Leonda Dr Extension	Freedom Park Rd	Fairview Dr	\$17 4,931	Short	43	Path Sickwalk	Hedrick St	Dr Lennox- ville Rd	Coclar St	\$274,624	Mid	Aller.
Ž	18	Sidewalk	Carteret Ave	Cedar St	Live Oak St	\$273,383	Long	44	Sickwalk	Hedrick St	1stSt	Coclar Av	\$397,197	Mid	ALL ST
į	19	Multi-Use Path	Lennoxville Rd	Carteret Ave	Leonda Dr	\$542,895	Mid	45	Bike Boule- vard	Carteret/ Ricks/	Steep Point Rd	Fulford St	\$3,638	Long	
	20	Sidewalk	Fairview Rd	Sher- wood Rd	Live Oak St	\$102,565	Mid		741.0	Sherwood/ Sycamore	10112.113				
	21	Sidowalk	George St	Live Oak St	Shor- wood Rd	\$141,120	Mid	46	Bike Shar- row Mark- ings	Front St	Bol Air St	End	\$11,027	Mid	
	22	Sidowalk	Glonda Rd	Wellons St	Howland Rd	\$199,043	Mid	47	Multi-Use Path	US 70 Bypass	NC 101	Tumer St	\$697,112	Mid	
	23	Sidowalk	Glonda Rd	Wellons St	Howland Rd	\$199,043	Mid	48	Multi-Use Path	US 70 Bypass	Turner St	US 70 Bridge	\$201,810	Mid	
	24	Multi-Use Path	New Loca- tion	N/A	N/A	\$114,925	Short	49	Striped Shoukler	US 70 Bypass	W Beau- fort Rd	Hwy 70	\$126,891	Mid	
	25	Multi-Use Path	NC 101	Cope- land Rd	Live Oak St	\$1.1 million	Long	50	Multi-Use Path	New Loca- tion	Live Oak St	NC101	\$437,747	Short	
	26	Multi-Use Path	Lockhart Dr	Campen Rd	Steep Point Rd	\$110,682	Long	51	Multi-Use Path	Taylor- wood Farm Rd	Taylor Farm Dr	City Limits	\$488,661	Long	
	27	Multi-Use Path	Steep Point Rd (north side)	Steep Point Landing	Live Oak St	\$720,909	Long	52	Sickewalk	Profes- sional Park Dr	Existing Sickwalk	Calhoun St	\$148,638	Short	

<sup>\*</sup>Facilities for each project are for one side of a roadway.

Table Facility
2 Recommendations

### Randolph Johnson Park Connectivity Project

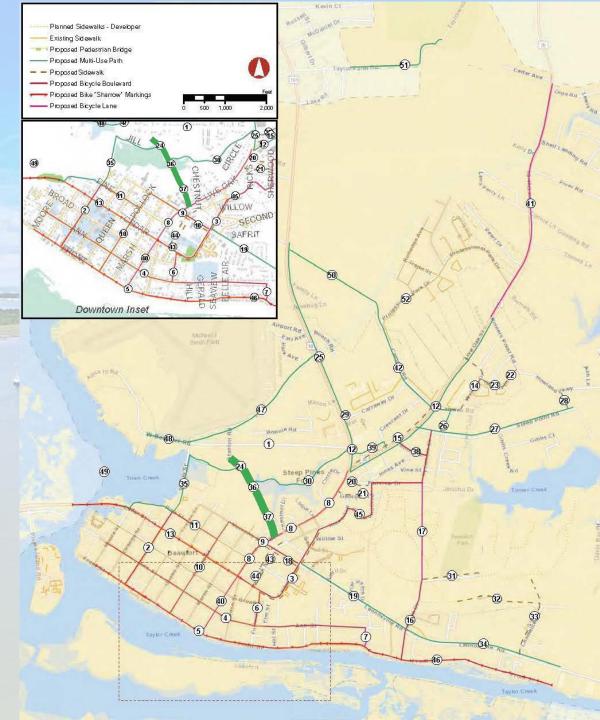
\$3.0 Million





### Trestle Project

\$1.3 Million





#### Trestle Project

#### FINAL JUNE 2018

6 MOBILITY AND URBAN DESIGN | 6.6 Catalyst Site A 97

Railroad Trestle Boardwalk

Additional public amenities for the neighborhood include a public geneawy along the vasterway. This amenity will likely be a combination of natural surface trail and elevated boardwalk due to environmental constraints. This system will also be greatly enhanced by the conversion of the abandoned rail and trestle to a pedestrian trail and bridge. Trail heads within the neighborhood along with connections to existing sidewalks will be key design components of the greenway in this area. The natural drainage pattern of the property has been respected and preserved along with any delineated werdands.

Housing Typologies

A variety of infill housing typologies are included in this neighborhood extension. The new blocks north of Mulberry include upper story lofts, townhomes, narrow lof single family homes, two-pack homes, four-pack homes, apartments, and cottage courts. Craven, Queen, Pollock, and Marsh Streets all extend north toward the water, and two new east-west streets span between Queen and Marsh north of Mulberry Street.



Above: existing conditions around the abandoned rail and trestle across the wetlands north of Mulberry Street

Right: conceptual representation converting the rail and trestle into an elevated pedestrian bridge



#### 100 BEAUFORT | Small Area Plan

#### 6.6.1 Key Recommendations

- A. Transform the vacant green space across from the Boys and Girls Club into the Queen Street Neishborhood Park.
- Provide a public greenway system along the waterfront north of Cedar Street.
- Adopt Special Flood Hazard Area construction standards.
- D. Incorporate a variety of infill housing typologies in the Mulberry Street Neighborhood with a focus on workforce housing if environmentally feasible.
- E. Protect Mulberry and Pine Streets from broader traffic pattern shifts related to the opening of the bypass by utilizing traffic diverting and calming methodologies.
- F. Explore the transformation of the public housing property at the western terminus of Mulberry Street into a mixed income housing development while accomodating existing residents.
- G. Transform the historic Mulberry Street School into a walkable, mixed use neighborhood center with an authentic sense of place.





INAL JUNE 2018

10

Reconstruct the rail trestle as a pedestrian bridge.

#### The Path Forward

The dilapidated train treatle that crosses Town Creek behind the historic Mulberry Street School property presents a chance to create a unique pedestrian and cycling experience for the Town of Beaufort. Access to water is the number one requested amenity in public spaces, and the new structure would offer both recreational and educational programming opportunities for the community.

The bridge would need to be around 450 linear feet of trestle birdge and a minimum of ten feet in width. Viewing platforms specifically designed to connect people with nature should also be included that offer people with nature should also be included that offer people with nature should also be included that offer repair to the probable tower severes and seating for those that need to rest. Approximately 500 feet of greenway would connect the bridge back to Live Oak Street sidewalk.





#### Making it Happen

recreation.

- $\ensuremath{\overline{\boxtimes}}$  Seek recreational trails grant funding from the
- Engineer the pedestrian bridge.
- ☑ Construct the bridge.
   ☑ Open the bridge programming up to local schools, civic organizations, and parks/



Cross-City Trail in Wilmington NC

#### FINAL JUNE 2018

7 IMPLEMENTATION | 7.6 Pilot Project 139

#### 7.6 Pilot Project

What can we do right now for around \$600,000...

In an effort to move forward with some of the initial improvements, the Town (in cooperation with NCDOT and the Cosstal Federation), should consider one of the following options for implementing a cost-effective improvement (under \$600K). These improvements relate to healthy bike /ped mobility as well as to stormwater. Each project can be funded and constructed independent from any other project.

Option #1: The dilapidated train treatle that crosses Town Creek behind the historic Mulberry Street School property presents a chance to create a unique pedestrian and cycling experience for the Town of Beanfort. The bridge would need to be around 450 linear feet and a minimum of ten feet in width. Additional viewing platforms specifically designed to connect people with nature should also be included that offer public tower viewers and seating for those that need to rest. (Probable Construction Cost:\$600K)

Option #2: Pollock Street, with its expansive width, is a prime candidate for a stormwater demonstration project. Bioswales should be created and paired with pervious pawers along the center of the street between Cedar and Broad Streets. The street section can also include on-street parking, a travel lane in each direction, and sharrow markings for bicycles. This project presents a potential partnership with the North Carolina Coastal Federation along with other state and federal proponents of stormwater best practices. (Probable Construction Cost: \$65(\$X)\$

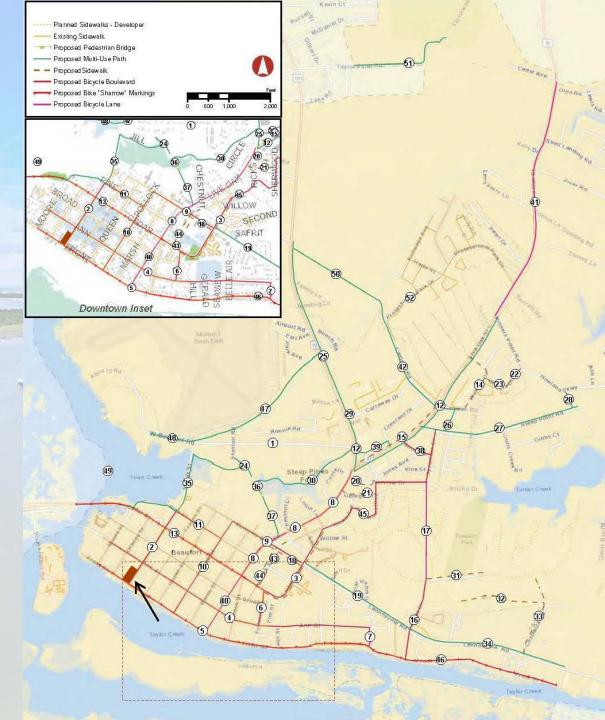






### Turner Street Sidewalk Improvements

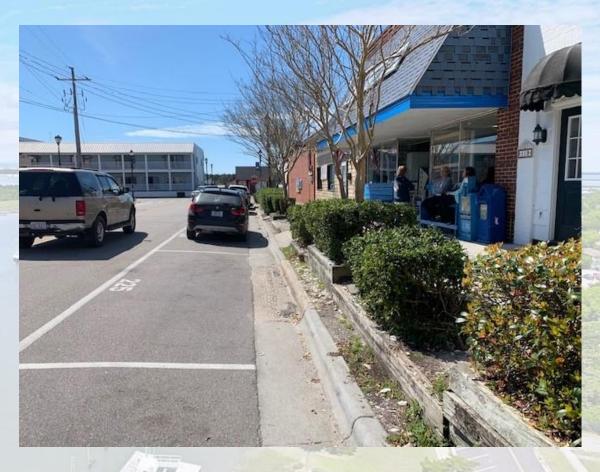
- Not identified by Plan
- Budget TBD



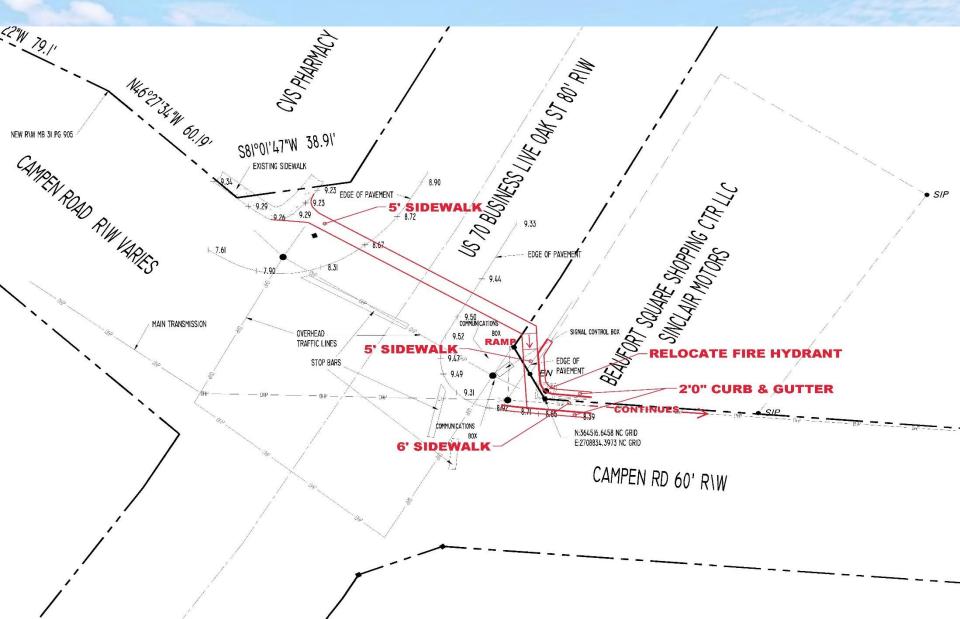


### Turner Street Sidewalk Improvements

- Accessibility Improvements
- Widen Narrower Run of Sidewalk
- Improve Aesthetics







78 BEAUFORT | Small Area Plan FINAL JUNE 2018



#### Live Oak/Campen Road Intersection:

This bustling intersection provides direct access to the Roses shopping center, CVS, several other commercial/retail destinations as well as surrounding single family residential. This is a wide intersection, making it very difficult to cross as a pedestrian. In addition, there are no accommodations for bicyclists or access/cross access for pedestrians. Driveway access is problematic and uncontrolled for older development such as the strip center located in the southeast quadrant (i.e., seven driveways). Improvements include a separated 10'-12' sidepath on the east side of Live Oak (between NC 101 intersection to Campen Road), including street trees. Curb extensions should be reconstructed to accommodate a shorter walking distance for pedestrians crossing the intersection using high visibility crosswalks and pedestrian countdowns. ADA compliant ramps should be installed at the two pedestrian crossings. Driveway connections should be consolidated on all approaches as indicated on the concept design. It should be noted: a good example of existing quality access control and driveway access is the CVS site.



# Small Area Plan & Bicycle/Pedestrian Plan **Next Steps Consider Potential Projects** Design Phase during FY20

