

US 17 Bus

From NC 130 to Holden Beach Rd

Proposal Length: 0.28 miles

Identified Need

This path is along the East Coast Greenway that connects 15 states and 450 cities and towns for 3,000 miles from Maine to Florida to foster safe walking and biking route. Refer to the plan for further information.

Recommendation

Bike recommendation along US 17 Bus from NC 130 to Holden Beach Road.

Project History/Linkage to Other Plans

Refer to East Coast Greenway Plan for additional information.

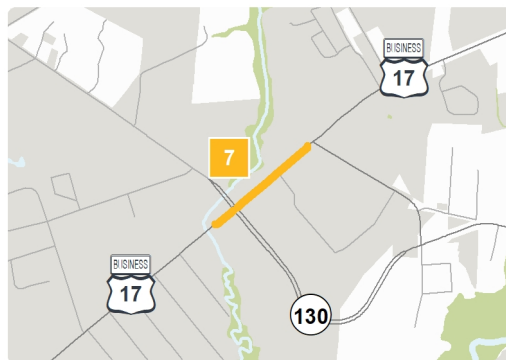
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN20001-B

Classification: Bicycle

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare Multi-lane
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	4.36
ROW (ft):	45
2017 Volume(vpd):	24000
2045 Volume(vpd):	12200

Main Street/Bridger Rd Exn Loop

From US 17 Bus to Copas Rd SW

Proposal Length: 4.18 miles

Identified Need

Bike lanes and sidewalks are recommended to alleviate traffic and boost economic growth in Shallotte. This is a solution to the top 5 public input priorities from the 2018 Shallotte LU Plan. This road will exceed capacity in future year 2045.

Recommendation

Bike lanes and sidewalks are on Main Street/Bridger Road from US 17 Bus to Copas Road SW.

Project History/Linkage to Other Plans

Refer to Shallotte Land Use Plan.

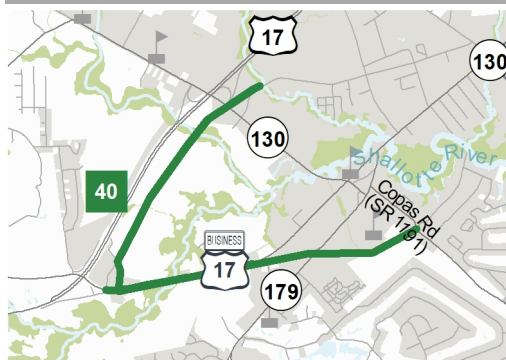
CTP Goal Analysis

Objectives: Promote reductions in recurring congestion through transportation capacity, access management, and policy improvements.

Local ID: BRUN20001-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	2.60
ROW (ft):	150
2017 Volume(vpd):	8600
2045 Volume(vpd):	1700

US-17 (Ocean Hwy W)

From Red Bug Rd (SR 1136) to Royal Oak Rd (SR 1345)

Proposal Length: 1.07 miles

Identified Need

This path is along the East Coast Greenway that connects 15 states and 450 cities and towns for 3,000 miles from Maine to Florida to foster safe walking and biking route. Refer to the plan for further information.

Recommendation

Bike recommendation along US 17 from Red Bug Road to Royal Oak Road.

Project History/Linkage to Other Plans

Refer to East Coast Greenway Plan for additional information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN20002-B

Classification: Bicycle

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Boulevard
Travel Lanes:	2
Speed Limit (mph):	55
% Trucks:	6.29
ROW (ft):	125
2017 Volume(vpd):	28000
2045 Volume(vpd):	33200

US 17B (Main St)

From S Willing Drive to NC 130

Proposal Length: 0.74 miles

Identified Need

By providing alt modes to reduce traffic and boost economic growth in Shallotte, this is a solution to the top 5 priorities in the 2018 Shallotte LU Plan. The road is near capacity currently now and over capacity in future year in the TDM.

Recommendation

Sidewalk along US 17B (Main St) from Willing Dr to NC 130.

Project History/Linkage to Other Plans

Refer to 2018 Shallotte LU Plan.

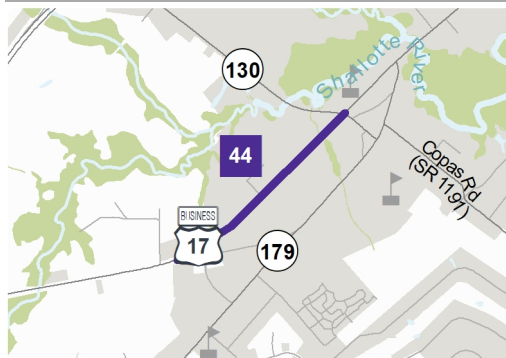
CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Local ID: BRUN20002-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	100-150
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Main Street/Bridger Rd Exn Loop

From US 17 Bus to Copas Rd SW

Proposal Length: 4.18 miles

Local ID: BRUN20004-B

Classification: **Bicycle and Pedestrian**Location: **Within Right of Way****Identified Need**

This recommendation is being made to alleviate traffic and boost economic growth in Shallotte. This is a solution to the top 5 public input priorities from the 2018 Shallotte LU Plan. This road will exceed capacity in future year 2045.

Recommendation

Bike lanes and sidewalks are recommended along this roadway.

Project History/Linkage to Other Plans

Refer to Shallotte Land Use Plan.

CTP Goal Analysis

Objectives: Promote reductions in recurring congestion through transportation capacity, access management, and policy improvements.

Existing Road Data

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	2.60
ROW (ft):	150
2017 Volume(vpd):	8600
2045 Volume(vpd):	1700

SR 1100 (Country Club Dr)

From SR 1190 (E. Oak Island Dr) to Throckmorton St

Proposal Length: 0.22 miles

Local ID: BRUN30001-P

Classification: **Pedestrian**Location: **Within Right of Way****Identified Need**

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

Sidewalk along SR 1100 (Country Club Dr) from SR 1190 (E. Oak Island Dr) to Throckmorton St. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

People have to walk on the streets since there is no sidewalk, which makes it very dangerous for both pedestrians and drivers.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	800
2045 Volume(vpd):	400

NC 211

From West Bay Street to US 17

Proposal Length: 0.65 miles

Identified Need

This path is along the East Coast Greenway that connects 15 states and 450 cities and towns for 3,000 miles from Maine to Florida to foster safe walking and biking route. Refer to the plan for further information.

Recommendation

NC 211 is on the East Coast Greenway Plan as a multi-use facility (from West Bay Street to US 17). The recommendation is to construct a Multi-Use Path.

Project History/Linkage to Other Plans

Refer to the East Coast Greenway Plan for more information on this recommendation.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN30002-M

Classification: Multiuse Path

Location: Outside of Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	3.57
ROW (ft):	N/A
2017 Volume(vpd):	7200
2045 Volume(vpd):	13000

NC 130

Longwood Road NW to US 17 Business

Proposal Length: 9.04 miles

Identified Need

Currently the road is used by cyclists which creates an unsafe roadway for both motorists as well as cyclists especially with West Brunswick High School along the roadway. Refer to the Cape Fear Regional Bicycle Plan for information.

Recommendation

Bike lanes are recommended from Longwood Rd NW to US 17 BUS.

Project History/Linkage to Other Plans

Refer to Cape Fear Regional Bicycle Plan.

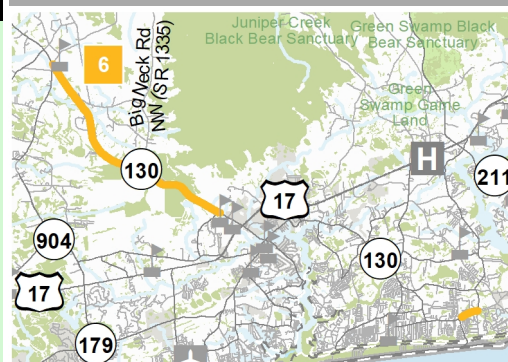
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN30004-B

Classification: Bicycle

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	55
% Trucks:	N/A
ROW (ft):	100
2017 Volume(vpd):	7400
2045 Volume(vpd):	10400

NC 211 (E Moore St)

From E. Moore St to Ferry Rd

Proposal Length: 1.38 miles

Identified Need

There is a lack of sidewalks along this facility and makes it dangerous for resident.

Recommendation

Sidewalk along E Moore St from NC 211 (E Howe St) to NC 211 (Ferry Rd). This project is recommended in the adopted City of Southport Comprehensive Pedestrian Transportation Plan. Refer to this plan for further information.

Project History/Linkage to Other Plans

People have to walk on the streets since there is no sidewalk, which makes it very dangerous for both pedestrians and drivers.

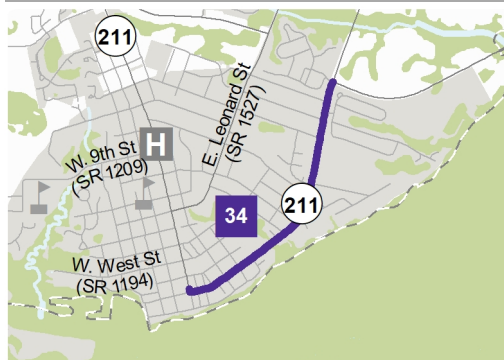
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN30004-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	3.56
ROW (ft):	N/A
2017 Volume(vpd):	1700
2045 Volume(vpd):	1000

NC 904 (Causeway Dr)

From NC 179 to Intercoastal Waterway

Proposal Length: 0.27 miles

Identified Need

From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan and is being recommended for lack of connectivity to the beach access, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Bike and Sidewalk along NC 904 (Causeway Dr) from NC 179 to Intercoastal Waterway.

Project History/Linkage to Other Plans

Refer to 2014 Ocean Isle Beach Bicycle and Pedestrian Plan for more information.

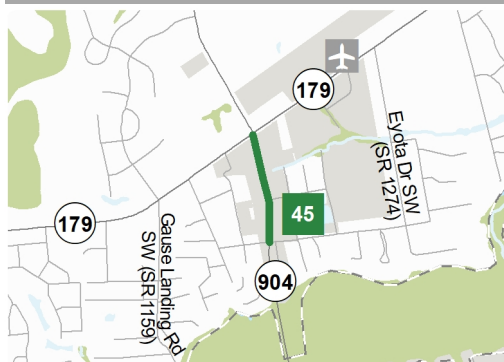
CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Local ID: BRUN30006-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	N/A
ROW (ft):	60
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Causeway Drive

From Causeway Drive to W First Street

Proposal Length: 0.33 miles

Identified Need

According to the 2014 Ocean Isle Beach Bicycle and Pedestrian Plan this is being recommended for lack of connectivity to the beach, reduce high traffic seasonal volumes, and promote a mix of traffic types.

Recommendation

Sidewalk and Bike Lane proposal along Causeway Drive from Causeway Drive to W First Street.

Project History/Linkage to Other Plans

Refer to 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

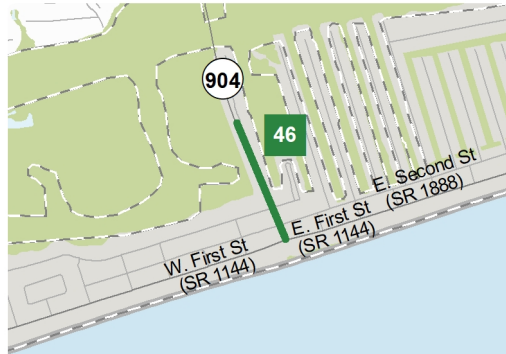
CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Local ID: BRUN30007-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	N/A
ROW (ft):	60
2017 Volume(vpd):	12000
2045 Volume(vpd):	N/A

NC 211 (Ferry Rd)

From NC 211 to Dead End (Fort Fisher)

Proposal Length: 0.88 miles

Identified Need

Currently the route is heavily used by cyclists into Fort Fisher Ferry, this recommendation is being made to provide a safe bicycle lane along a road with plenty of ROW.

Recommendation

Bike lane along NC 211 (Ferry Rod) from NC 211 (E Moore St) to Dead End (Fort Fisher).

Project History/Linkage to Other Plans

History of safety concerns for cyclists on this route.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN30008-B

Classification: Bicycle

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	55
% Trucks:	3.56
ROW (ft):	N/A
2017 Volume(vpd):	1600
2045 Volume(vpd):	3600

NC 130

Shell Point Road to Shallotte Crossing Parkway

Proposal Length: 0.71 miles

Identified Need

This path is along the East Coast Greenway that connects 15 states and 450 cities and towns for 3,000 miles from Maine to Florida to foster safe walking and biking route. Refer to the plan for further information.

Recommendation

Multi-use proposal along NC 130 from Shell Point Road to Shallotte Crossing Parkway.

Project History/Linkage to Other Plans

Refer to the East Coast Greenway Plan for more information on this recommendation.

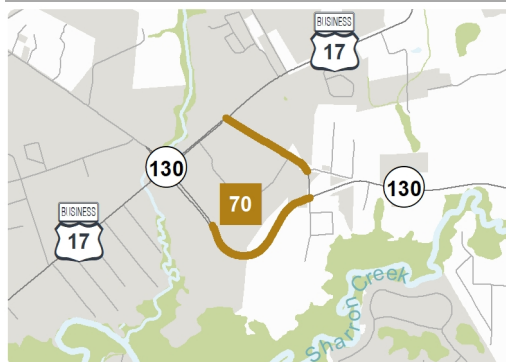
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN30008-M

Classification: Multiuse Path

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	3.20
ROW (ft):	60-156
2017 Volume(vpd):	14000
2045 Volume(vpd):	16500

NC 904 (Causeway Dr)

From NC 179 to Intercoastal Waterway

Proposal Length: 0.27 miles

Identified Need

From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan and is being recommended for lack of connectivity to the beach access, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Bike and Sidewalk along NC 904 (Causeway Dr) from NC 179 to Intercoastal Waterway.

Project History/Linkage to Other Plans

Refer to 2014 Ocean Isle Beach Bicycle and Pedestrian Plan for more information.

CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Local ID: BRUN30010-B

Classification: Bicycle and Pedestrian

Location: Within Right of Way

Existing Road Data

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	N/A
ROW (ft):	60
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Causeway Drive

From Causeway Drive to W First Street

Proposal Length: 0.33 miles

Local ID: BRUN30011-B

Classification: Bicycle and Pedestrian

Location: Within Right of Way

Identified Need

According to the 2014 Ocean Isle Beach Bicycle and Pedestrian Plan this is being recommended for lack of connectivity to the beach, reduce high traffic seasonal volumes, and promote a mix of traffic types.

Recommendation

Sidewalk and Bike Lane proposal along Causeway Drive from Causeway Drive to W First Street.

Project History/Linkage to Other Plans

Refer to 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Existing Road Data

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	N/A
ROW (ft):	60
2017 Volume(vpd):	12000
2045 Volume(vpd):	N/A

NC 906 (EF Middleton Blvd)

NC 211 to E Yacht Dr

Proposal Length: 3.68 miles

Local ID: BRUN30013-B

Classification: Bicycle

Location: Within Right of Way

Identified Need

Due to the heavy bicycle use of this facility, this recommendation is being made due to lack of safety and access. Refer to Cape Fear Bicycle Plan for more information.

Recommendation

Bike Lane along NC 906 from E Yacht Drive to NC 211. In the Cape Fear Bicycle Plan, it is stated that this route is used heavily by the Cape Fear Cyclists (advocacy group). This route is also a proposed regional bikeway network in the plan. Review the plan for further information.

Project History/Linkage to Other Plans

Refer to Cape Fear Bicycle Plan for more information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	Boulevard
Travel Lanes:	2
Speed Limit (mph):	55
% Trucks:	N/A
ROW (ft):	70-170
2017 Volume(vpd):	12000
2045 Volume(vpd):	9000

NC 133

from NC 211 to Intercoastal Waterway

Proposal Length: 0.67 miles

Identified Need

Due to the heavy bicycle use of this facility, this recommendation is being made due to lack of safety and access. Refer to Cape Fear Bicycle Plan for more information.

Recommendation

A bike lane is recommended along NC 133 from NC 211 to the Intercoastal Waterway. The Cape Fear Bicycle Plan states that this route is used heavily by Cape Fear Cyclists. This route is also a proposed regional bikeway network.

Project History/Linkage to Other Plans

Refer to Cape Fear Bicycle Plan for more information.

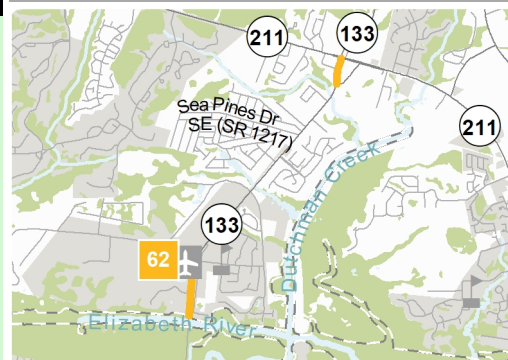
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN30014-B

Classification: Bicycle

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	3.77
ROW (ft):	100
2017 Volume(vpd):	13000
2045 Volume(vpd):	12700

Daws Creek Road

From NC 133 to US 17

Proposal Length: 6.73 miles

Identified Need

On the Cape Fear Regional Bicycle Plan, this route is being shown as a heavily used on road bicycle route, to provide safety accommodations the CTP is recommending a separated bicycle lane for this route in the future.

Recommendation

Bike lane along Daws Creek Rd from NC 133 to US 17.

Project History/Linkage to Other Plans

Refer to Cape Fear Regional Bicycle Plan.

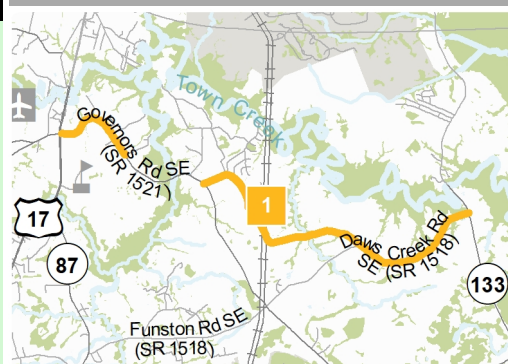
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN40001-B

Classification: Bicycle

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	55
% Trucks:	N/A
ROW (ft):	60
2017 Volume(vpd):	700
2045 Volume(vpd):	N/A

SR 1132 (Civietown Road) - Turnpike Rd

SR 1115 (Stone Chimney Road) to NC 130 (Holden Beach)

Proposal Length: 4.05 miles

Identified Need

This path is along the East Coast Greenway that connects 15 states and 450 cities and towns for 3,000 miles from Maine to Florida to foster safe walking and biking route. Refer to the plan for further information.

Recommendation

Multi-use proposal on SR 1132 (Civietown Road) from Stone Chimney Rd to Holden Beach.

Project History/Linkage to Other Plans

Refer to the East Coast Greenway Plan and Cape Fear Regional Bicycle Plan for more information on this recommendation.

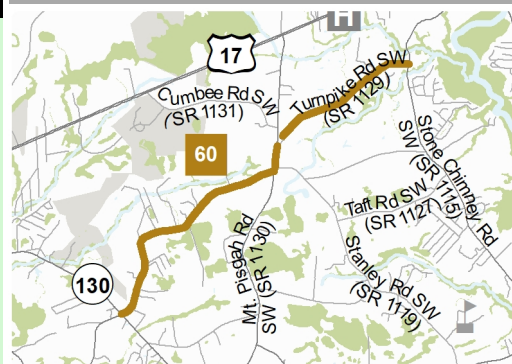
CTP Goal Analysis

Objectives: Expand and maintain a network of bicycle, pedestrian, and transit facilities that connects homes, activity centers, and complementary amenities.

Local ID: BRUN40001-M

Classification: Multiuse Path

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	55
% Trucks:	N/A
ROW (ft):	60-100
2017 Volume(vpd):	4800
2045 Volume(vpd):	10000

E Oak Island Drive

From E Yacht Drive to NE 58th Street

Proposal Length: 1.79 miles

Identified Need

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

Bike lanes and sidewalks are being recommended along E Oak Island Drive from E Yacht Dr to NE 58th St. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

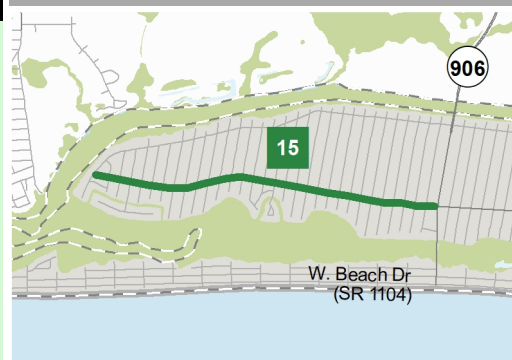
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN40001-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

SR 1115 (Stone Chimney Rd SE)

From US 17 to Sabbath Home Rd (SR 1120)

Proposal Length: 6.99 miles

Identified Need

This recommendation is on the adopted Cape Fear Regional Bicycle Plan as well as the East Coast Greenway Plan that connects 15 states, 450 cities/towns for 3,000 miles from Maine to Florida to foster safe walking/biking route.

Recommendation

Multi-use path along Stone Chimney Rd from Sabbath Home Rd to US 17.

Project History/Linkage to Other Plans

Refer to the East Coast Greenway Plan and Cape Fear Regional Bicycle Plan for more information on this recommendation.

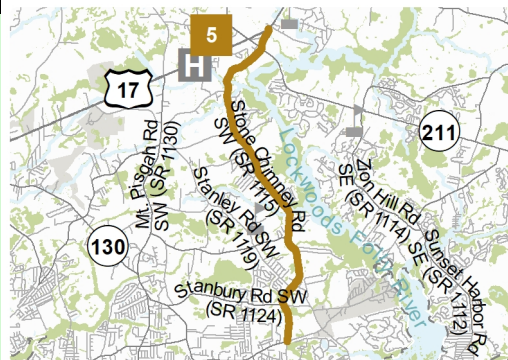
CTP Goal Analysis

Objectives: Expand and maintain a network of bicycle, pedestrian, and transit facilities that connects homes, activity centers, and complementary amenities.

Local ID: BRUN40002-M

Classification: Multiuse Path

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	55
% Trucks:	N/A
ROW (ft):	60
2017 Volume(vpd):	6000
2045 Volume(vpd):	13400

74th St - Ocean Dr - Robert L Jones St

From Oak Island Dr to NC 133

Proposal Length: 1.75 miles

Identified Need

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

Bike and Sidewalks recommendations are being recommended along 74th St/Ocean Dr/Robert L Jones St from Oak Island Dr to NC 133. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

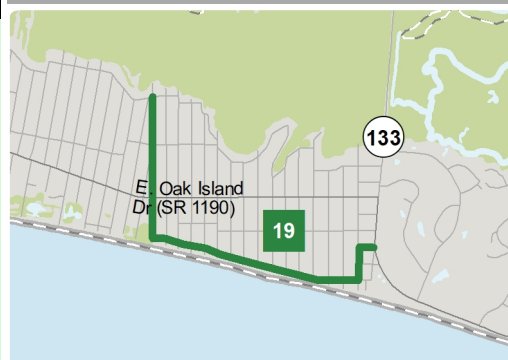
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN40002-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	25
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

E Oak Island Drive

From Country Club Drive to NE 58th Street

Proposal Length: 0.0 miles

Local ID: BRUN40003-B

Classification: No Selection

Location: Within Right of Way

Identified Need

There is a need to address bicycle safety efforts along this roadway for active cyclists. Refer to Oak Island Bike Plan for further information.

Recommendation

Bike recommendation along E Oak Island Drive from Country Club Drive to 58th Street. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Existing Road Data

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Country Club Dr

From E Oak Island Drive to Intercoastal Waterway

Proposal Length: 1.68 miles

Local ID: BRUN40003-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

Identified Need

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

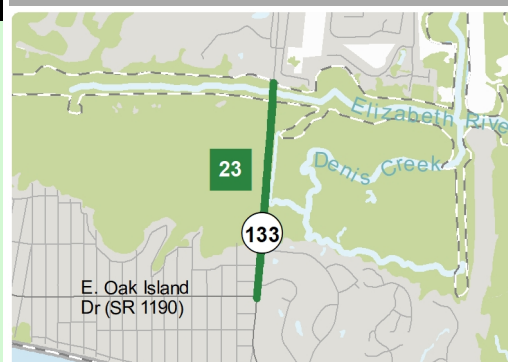
Bike and Sidewalk recommendations are being made along Country Club Dr from E Oak Island Dr to Intercoastal Waterway. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	Major Thoroughfare 2-lane
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	3.83
ROW (ft):	60-100
2017 Volume(vpd):	12000
2045 Volume(vpd):	12700

E Oak Island Drive

From E Yacht Drive to NE 58th Street

Proposal Length: 1.79 miles

Local ID: BRUN40004-B

Classification: **Bicycle and Pedestrian**Location: **Within Right of Way****Identified Need**

There is a need to address bicycle safety efforts along this roadway for active cyclists. Refer to Oak Island Bike Plan for further information.

Recommendation

Bike lanes and sidewalks are being recommended along E Oak Island Drive from E Yacht Dr to NE 58th St. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Existing Road Data

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Robert Ruark Drive

From NC 211 to Forest Oak Dr

Proposal Length: 0.31 miles

Local ID: BRUN40004-P

Classification: **Pedestrian**Location: **Within Right of Way****Identified Need**

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

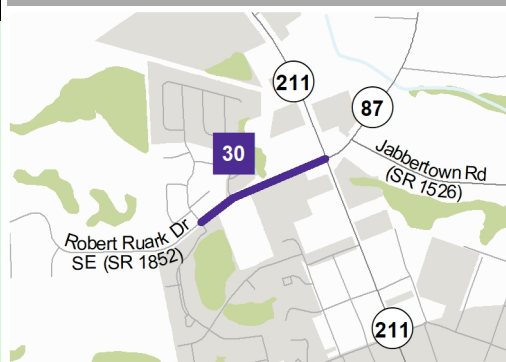
Sidewalk along Robert Ruark Drive from NC 211 to Forest Oak Drive. This project is recommended in the adopted City of Southport Comprehensive Pedestrian Transportation Plan. Refer to this plan for further information.

Project History/Linkage to Other Plans

The lack of sidewalks poses dangerous situations for pedestrians.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

74th St - Ocean Dr - Robert L Jones St

From Oak Island Dr to NC 133

Proposal Length: 1.75 miles

Local ID: BRUN40005-B

Classification: **Bicycle and Pedestrian**Location: **Within Right of Way****Identified Need**

There is a need to address bicycle safety efforts along this roadway for active cyclists. Refer to Oak Island Bike Plan for further information.

Recommendation

Bike and Sidewalks recommendations are being recommended along 74th St/Ocean Dr/Robert L Jones St from Oak Island Dr to NC 133. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Existing Road Data

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	25
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

SR 1209 (W. 9th St)

From NC 211 to Maple Ave

Proposal Length: 0.69 miles

Local ID: BRUN40005-P

Classification: **Pedestrian**Location: **Within Right of Way****Identified Need**

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

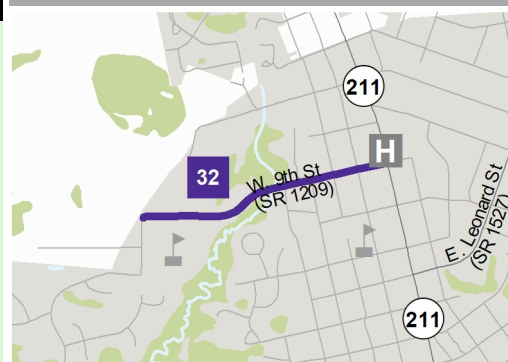
Sidewalk along W 9th Street from NC 211 to Maple Ave. This project is recommended in the adopted City of Southport Comprehensive Pedestrian Transportation Plan. Refer to this plan for further information.

Project History/Linkage to Other Plans

The lack of sidewalks poses dangerous situations for pedestrians.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Country Club Dr

From E Oak Island Drive to Intercoastal Waterway

Proposal Length: 0.73 miles

Local ID: BRUN40006-B

Classification: **Bicycle and Pedestrian**Location: **Within Right of Way****Identified Need**

There is a need to address bicycle safety efforts along this roadway for active cyclists. Refer to Oak Island Bike Plan for further information.

Recommendation

Bike and Sidewalk recommendations are being made along Country Club Dr from E Oak Island Dr to Intercoastal Waterway. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Existing Road Data

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Smith Ave

From Arnold St to Shallotte Crossing Pkwy

Proposal Length: 0.68 miles

Local ID: BRUN40006-P

Classification: **Pedestrian**Location: **Within Right of Way****Identified Need**

By providing alt modes to reduce traffic and boost economic growth, this fulfills the top 5 PI priorities from the 2018 Shallotte Land Use Plan. This road is near capacity in base year and over capacity in future year in the TDM.

Recommendation

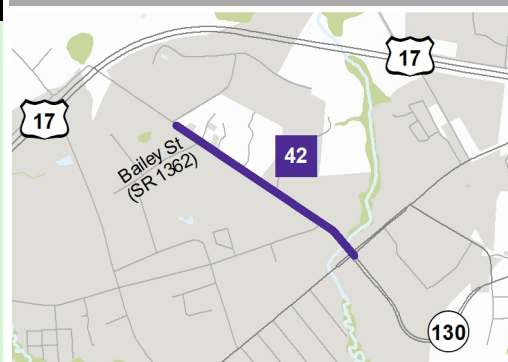
Sidewalk along Smith Ave from Arnold St to Shallotte Crossing Pkwy.

Project History/Linkage to Other Plans

Refer to 2018 Shallotte Land Use Plan.

CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	6700
2045 Volume(vpd):	11300

SR 1621 (Doshier Cut-Off)

From NC 211 to NC 87

Proposal Length: 0.59 miles

Identified Need

Currently the route is heavily used by cyclists as an access to and from Doshier Memorial Hospital down south.

Recommendation

Bike lane along Doshier Cut-Off from NC 211 to NC 87. This recommendation is being made to provide a safe bicycle lane along this route.

Project History/Linkage to Other Plans

With adjacent NC 211 being a major route, hospital in this vicinity, it is important to provide a safe bicycle lane along this route.

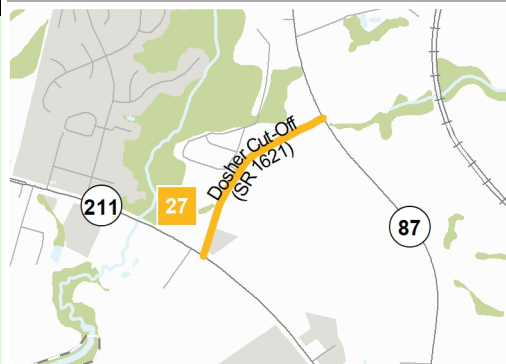
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN40007-B

Classification: Bicycle

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Minor Thoroughfare
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	4.44
ROW (ft):	60
2017 Volume(vpd):	3600
2045 Volume(vpd):	7700

SR 1144 (W. First St)

From Second Street to Highpoint St

Proposal Length: 2.12 miles

Identified Need

From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan and is being recommended for lack of connectivity to the beach access, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Bike and Sidewalk Recommendation along First St from Second St to Highpoint St.

Project History/Linkage to Other Plans

Refer to Ocean Isle Beach Bike and Pedestrian Plan for further details.

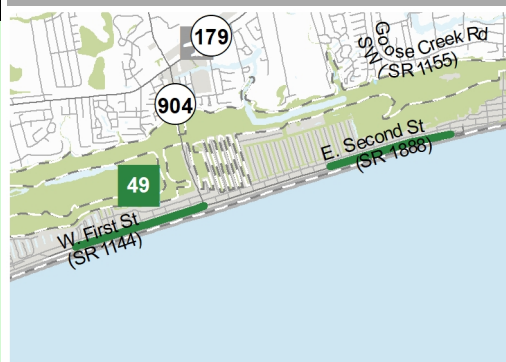
CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Local ID: BRUN40007-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	60
2017 Volume(vpd):	4700
2045 Volume(vpd):	0

SR 1144 (W. First St)

From Second Street to Highpoint St

Proposal Length: 2.12 miles

Local ID: BRUN40008-B

Classification: **Bicycle and Pedestrian**Location: **Within Right of Way****Identified Need**

Beach access, safety, connectivity and recreational option due to demand of existing cyclists. Refer to Ocean Isle Beach Bike and Pedestrian Plan for further details.

Recommendation

Bike and Sidewalk Recommendation along First St from Second St to Highpoint St. From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan and is being recommended for lack of connectivity to the beach access, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Project History/Linkage to Other Plans

Refer to Ocean Isle Beach Bike and Pedestrian Plan for further details.

CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Existing Road Data

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	60
2017 Volume(vpd):	4700
2045 Volume(vpd):	0

Cougar Road

NC 87 to east of Dix Road

Proposal Length: 0.52 miles

Local ID: BRUN40009-P

Classification: **Pedestrian**Location: **Within Right of Way****Identified Need**

This recommendation leads to the South Brunswick High School. This project comes from the final draft plan of the City of Boiling Springs Lakes Pedestrian Plan as a shared-use proposal, refer to the plan for further information.

Recommendation

Sidewalk recommendation along Cougar Road from NC 87 to dead end.

Project History/Linkage to Other Plans

Review City of Boiling Springs Lakes Pedestrian Plan.

CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	60
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Ocean Blvd W (SR 1116)

dead end of town limit to dead end of town limit

Proposal Length: 7.39 miles

Identified Need

To provide safety, access, connectivity as well as a demand with existing cyclists. Refer to Cape Fear Bicycle Plan for further details.

Recommendation

Bike Lane along SR 1116 (Ocean Blvd W) from dead end of road to dead end of town limit. This route is also a proposed regional bikeway network in the Cape Fear Bicycle Plan. Review the plan for further information.

Project History/Linkage to Other Plans

Refer to Cape Fear Bicycle Plan for further details.

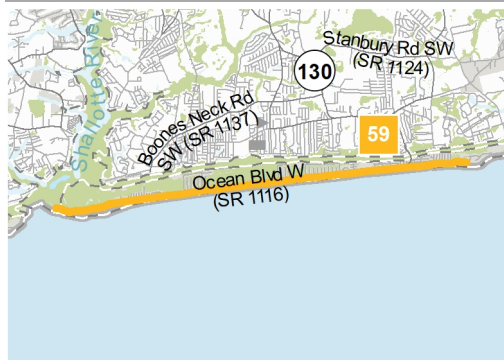
CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Local ID: BRUN40010-B

Classification: Bicycle

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	4100
2045 Volume(vpd):	0

W 1st Street

NC 906 to Concord Street

Proposal Length: 1.05 miles

Identified Need

Coming from the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan this is being recommended for lack of connectivity to the beach, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Sidewalk proposal along W. First Street from NC 906 to Concord Street.

Project History/Linkage to Other Plans

Review adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

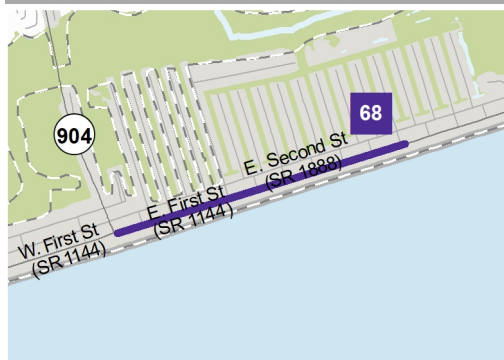
CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Local ID: BRUN40010-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Caswell Beach Rd

NC 133 to end of Caswell Beach Rd (paved)

Proposal Length: 2.92 miles

Identified Need

To provide safety, access, connectivity as well as a demand with existing cyclists. Refer to Cape Fear Bicycle Plan for further details.

Recommendation

Bike proposal on north side of street along Caswell Beach Road from NC 133 to end of Caswell Beach Road. Refer to the Cape Fear Bicycle and Pedestrian Plan for further project details.

Project History/Linkage to Other Plans

Refer to Cape Fear Bicycle Plan for further details.

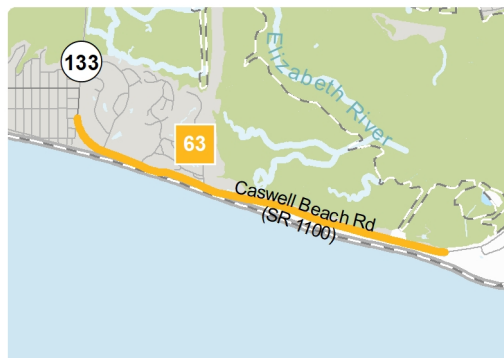
CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Local ID: BRUN40011-B

Classification: Bicycle

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	2800
2045 Volume(vpd):	300

NE 58th Street

From E Yacht Dr to E Beach Dr

Proposal Length: 0.75 miles

Identified Need

There is a need to address bicycle safety efforts along this roadway for active cyclists. Refer to Oak Island Bike Plan for further information.

Recommendation

Bike recommendation along 58th Street from E Yacht Dr to E Beach Dr. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN50001-B

Classification: Bicycle

Location: Within Right of Way

**Existing Road Data**

Facility Type:	Minor Thoroughfare
Travel Lanes:	2
Speed Limit (mph):	45
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Shallotte Blvd

E 2nd Street to Ferry Landing Park

Proposal Length: 0.48 miles

Identified Need

This project will address the lack of safety that pedestrians face when using this facility. There is also a lack of sidewalk connectivity across the city. Additional information can be found on the plan.

Recommendation

Multi-use proposal along Shallotte Blvd from E 2nd Street to Ferry Landing Park. Refer to the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan for project information.

Project History/Linkage to Other Plans

Refer to the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Local ID: BRUN50001-M

Classification: Multiuse Path

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

W Yacht Drive

From Oak Island Drive to NC 133

Proposal Length: 7.82 miles

Identified Need

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

Bike and Sidewalks recommendations are being recommended along W Yacht Drive from Oak Island Drive to NC 133. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Lack of sidewalks makes it dangerous for pedestrians as well as drivers.

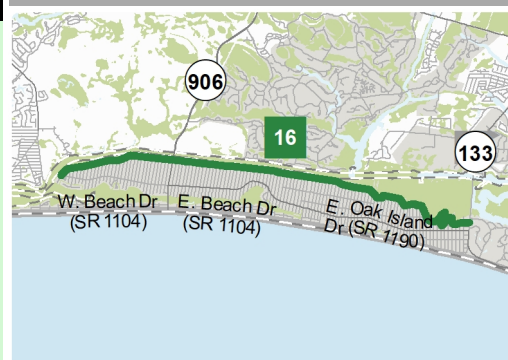
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN50001-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

W Yacht Drive

From Oak Island Drive to NC 133

Proposal Length: 7.82 miles

Local ID: BRUN50002-B

Classification: **Bicycle and Pedestrian**Location: **Within Right of Way****Identified Need**

There is a need to address bicycle safety efforts, provide alternative transportation, and create bicycle facilities along this roadway for active cyclists. Refer to Oak Island Bike Plan for further information.

Recommendation

Bike and Sidewalks recommendations are being recommended along W Yacht Drive from Oak Island Drive to NC 133. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Existing Road Data

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Fifty Lakes Drive

From NC 133 (River Road SE) to NC 87

Proposal Length: 2.37 miles

Local ID: BRUN50002-M

Classification: **Multiuse Path**Location: **Within Right of Way****Identified Need**

This project will address the lack of safety that pedestrians face when using this facility. There is also a lack of sidewalk connectivity across the city. Additional information can be found on the plan.

Recommendation

Multi-use recommendation along Fifty Lakes Dr from Eden Drive to NC 87. This project comes from the final draft plan of the City of Boiling Springs Lakes Pedestrian Plan as a shared-use proposal, refer to the plan for further information.

Project History/Linkage to Other Plans

Refer to draft plan of the City of Boiling Springs Lakes Pedestrian Plan.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

NE 46th Street

From W Yacht Dr to E Beach Dr

Proposal Length: 0.72 miles

Local ID: BRUN50002-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

Identified Need

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

Bike and Sidewalks recommendations are being recommended along NE 46th St from W Yacht Dr to E Beach Dr. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Lack of sidewalks makes it dangerous for pedestrians as well as drivers.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	25
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

NE 46th Street

From W Yacht Dr to E Beach Dr

Proposal Length: 0.72 miles

Local ID: BRUN50003-B

Classification: Bicycle and Pedestrian

Location: Within Right of Way

Identified Need

There is a need to address bicycle safety efforts along this roadway for active cyclists. Refer to Oak Island Bike Plan for further information.

Recommendation

Bike and Sidewalks recommendations are being recommended along NE 46th St from W Yacht Dr to E Beach Dr. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Existing Road Data

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	25
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Eden Drive/Alton Lennon Rd

From E Boiling Spring Rd to Fifty Lakes Dr

Proposal Length: 1.71 miles

Identified Need

This project will address the lack of safety that pedestrians face when using this facility. There is also a lack of sidewalk connectivity across the city. Additional information can be found on the plan.

Recommendation

Multi-use recommendation along Eden Drive from E Boiling Spring Rd to Fifty Lakes Dr. This project comes from the final draft plan of the City of Boiling Springs Lakes Pedestrian Plan as a shared-use proposal, refer to the plan for further information.

Project History/Linkage to Other Plans

Refer to draft plan of the City of Boiling Springs Lakes Pedestrian Plan.

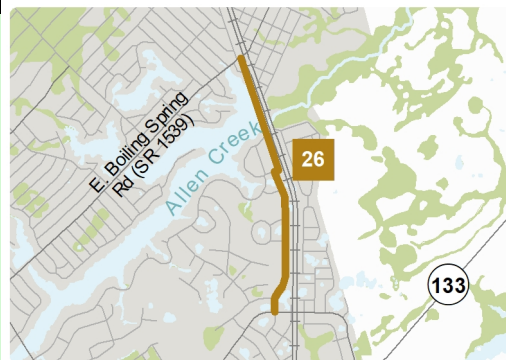
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN50003-M

Classification: Multiuse Path

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

E Dolphin Drive

From dead end of 43rd St to dead end of 49th St

Proposal Length: 0.22 miles

Identified Need

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

Bike and Sidewalks recommendations are being recommended along Dolphin Drive from dead end of 43rd St to dead end of 49th St. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Lack of sidewalks makes it dangerous for pedestrians as well as drivers.

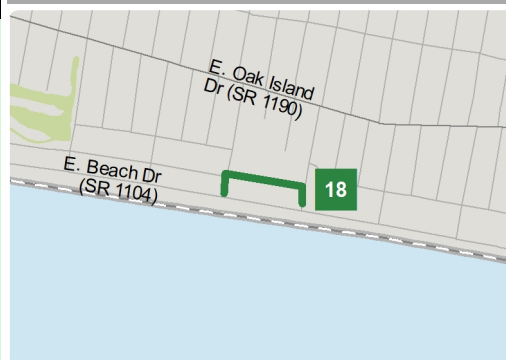
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN50003-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

E Dolphin Drive

From dead end of 43rd St to dead end of 49th St

Proposal Length: 0.22 miles

Local ID: BRUN50004-B

Classification: **Bicycle and Pedestrian**Location: **Within Right of Way****Identified Need**

There is a need to address bicycle safety efforts along this roadway for active cyclists. Refer to Oak Island Bike Plan for further information.

Recommendation

Bike and Sidewalks recommendations are being recommended along Dolphin Drive from dead end of 43rd St to dead end of 49th St. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Existing Road Data

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Drayton Road Loop

Starting and ending on E Boiling Spring Rd

Proposal Length: 1.51 miles

Local ID: BRUN50004-M

Classification: **Multiuse Path**Location: **Within Right of Way****Identified Need**

This project will address the lack of safety that pedestrians face when using this facility. There is also a lack of sidewalk connectivity across the city. Additional information can be found on the plan.

Recommendation

Multi-use recommendation along the Drayton Road Loop starting and ending on E Boiling Spring Rd. This project comes from the final draft plan of the City of Boiling Springs Lakes Pedestrian Plan as a shared-use proposal, refer to the plan for further information.

Project History/Linkage to Other Plans

Refer to draft plan of the City of Boiling Springs Lakes Pedestrian Plan.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	30
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Barbee Blvd

From Elizabeth Dr to Ocean Dr

Proposal Length: 0.43 miles

Identified Need

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

Bike and Sidewalks recommendations are being recommended along Barbee Blvd from Elizabeth Dr to Ocean Dr. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Lack of sidewalks makes it dangerous for pedestrians as well as drivers.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN50004-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Barbee Blvd

From Elizabeth Dr to Ocean Dr

Proposal Length: 0.43 miles

Identified Need

There is a need to address bicycle safety efforts along this roadway for active cyclists. Refer to Oak Island Bike Plan for further information.

Recommendation

Bike and Sidewalks recommendations are being recommended along Barbee Blvd from Elizabeth Dr to Ocean Dr. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN50005-B

Classification: Bicycle and Pedestrian

Location: Within Right of Way

Existing Road Data

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Ash Rd/Grace Rd

From E Boiling Spring Rd to Pine Rd

Proposal Length: 1.03 miles

Local ID: BRUN50005-M

Classification: Multiuse Path

Location: Within Right of Way

Identified Need

This project will address the lack of safety that pedestrians face when using this facility. Additional information can be found on the plan.

Recommendation

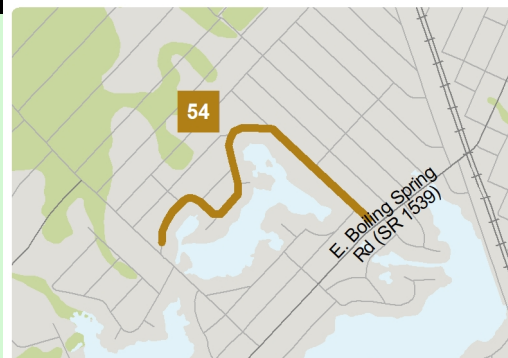
Multi-use recommendation along Ash Rd/Grace Rd from E Boiling Spring Rd to Pine Rd. This project comes from the final draft plan of the City of Boiling Springs Lakes Pedestrian Plan as a shared-use proposal, refer to the plan for further information.

Project History/Linkage to Other Plans

Refer to draft plan of the City of Boiling Springs Lakes Pedestrian Plan.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Barnes Bluff Dr Ext

From Fish Factory Road SE to South of Scupper Run SE

Proposal Length: 1.97 miles

Local ID: BRUN50005-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

Identified Need

There is a lack of sidewalks along this facility and makes it dangerous for residents.

Recommendation

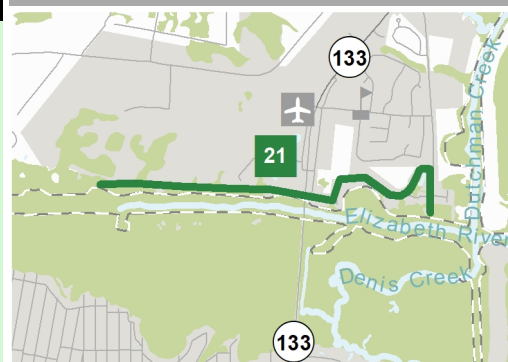
Bike and Sidewalks recommendations are being recommended along Barnes Bluff Drive Ext from Fish Factory Road SE to South of Scupper Run SE. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Lack of sidewalks makes it dangerous for pedestrians as well as drivers.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Barnes Bluff Dr Ext

From Fish Factory Road SE to South of Scupper Run SE

Proposal Length: 1.97 miles

Local ID: BRUN50006-B

Classification: **Bicycle and Pedestrian**Location: **Within Right of Way****Identified Need**

There is a need to address bicycle safety efforts along this roadway for active cyclists. Refer to Oak Island Bike Plan for further information.

Recommendation

Bike and Sidewalks recommendations are being recommended along Barnes Bluff Drive Ext from Fish Factory Road SE to South of Scupper Run SE. Refer to the adopted Oak Island Bicycle Plan for further information.

Project History/Linkage to Other Plans

Refer to Oak Island Bike Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Existing Road Data

Facility Type: N/A

Travel Lanes: N/A

Speed Limit (mph): N/A

% Trucks: N/A

ROW (ft): N/A

2017 Volume(vpd): N/A

2045 Volume(vpd): N/A

Fish Factory Road

From NC 133 to Dead end South of O'Quinn Blvd

Proposal Length: 1.09 miles

Local ID: BRUN50007-B

Classification: **Bicycle and Pedestrian**Location: **Within Right of Way****Identified Need**

Access to Intercoastal Waterway as well as William S Bill Smith Park.

Recommendation

Add bike lane along Fish Factory Road from NC 133 to dead end south of O'Quinn Blvd.

Project History/Linkage to Other Plans

Lack of access has always been an issue, therefore this recommendation is being made.

CTP Goal Analysis

Goal: Support growth through a transportation network that serves local, inter- and intra- regional accessibility and mobility needs for both people and goods.

Existing Road Data

Facility Type: N/A

Travel Lanes: N/A

Speed Limit (mph): N/A

% Trucks: N/A

ROW (ft): N/A

2017 Volume(vpd): N/A

2045 Volume(vpd): N/A

W Ridge Road

W 17th Ave to end of town limits

Proposal Length: 3.2 miles

Local ID: BRUN50007-M

Classification: Multiuse Path

Location: Within Right of Way

Identified Need

This project will address the lack of safety that pedestrians face when using this facility. Additional information can be found on the plan.

Recommendation

Multi-use recommendation along W Ridge Road from W 17th Ave to end of town limits. This project comes from the final draft plan of the City of Boiling Springs Lakes Pedestrian Plan as a shared-use proposal, refer to the plan for further information.

Project History/Linkage to Other Plans

Refer to draft plan of the City of Boiling Springs Lakes Pedestrian Plan.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

W Fourth Street

From Third Street to Driftwood Drive

Proposal Length: 0.53 miles

Local ID: BRUN50010-B

Classification: Bicycle and Pedestrian

Location: Within Right of Way

Identified Need

There is a lack of connectivity to the beach access paths, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Bike and Sidewalk along W Fourth St from Third St to Driftwood Dr. From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan and is being recommended.

Project History/Linkage to Other Plans

Refer 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Existing Road Data

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

J Swaine Blvd

From NC 211 to Viking Crest Lane

Proposal Length: 0.23 miles

Local ID: BRUN50010-P

Classification: **Pedestrian**Location: **Within Right of Way****Identified Need**

For Southport to have a safe, convenient, accessible and pedestrian network. Refer to Southport Pedestrian Plan for further information.

Recommendation

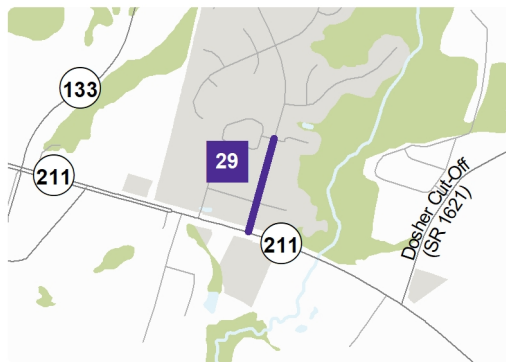
Sidewalk along Robert Ruark Drive from NC 211 to Viking Crest Lane. This project is recommended in the adopted City of Southport Comprehensive Pedestrian Transportation Plan. Refer to this plan for further information.

Project History/Linkage to Other Plans

Refer to Southport Pedestrian Plan for further information.

CTP Goal Analysis

Goal: Support growth through a transportation network that serves local, inter- and intra- regional accessibility and mobility needs for both people and goods.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

2nd Street

From High Point Street to 1st Street

Proposal Length: 3.26 miles

Local ID: BRUN50011-B

Classification: **Bicycle and Pedestrian**Location: **Within Right of Way****Identified Need**

Providing individuals with bicycle lanes along beach communities is vital to this community.

Recommendation

STIP EB - 6034 - Bicycle lanes and sidewalk on south side street from High Point Street to First Street in Ocean Isle Beach. Refer to the 2014 Ocean Isle Beach Bicycle + Pedestrian Plan for this project.

Project History/Linkage to Other Plans

Refer to the 2014 Ocean Isle Beach Bicycle + Pedestrian Plan for this project.

CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Existing Road Data

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Owens St - Caswell Ave

From NC 211 to W 11th St

Proposal Length: 0.45 miles

Identified Need

For Southport to have a safe, convenient, accessible and pedestrian network. Refer to Southport Pedestrian Plan for further information.

Recommendation

Sidewalk along Owens St/Caswell Ave from NC 211 to W 11th Street. This project is recommended in the adopted City of Southport Comprehensive Pedestrian Transportation Plan. Refer to this plan for further information.

Project History/Linkage to Other Plans

Refer to Southport Pedestrian Plan for further information.

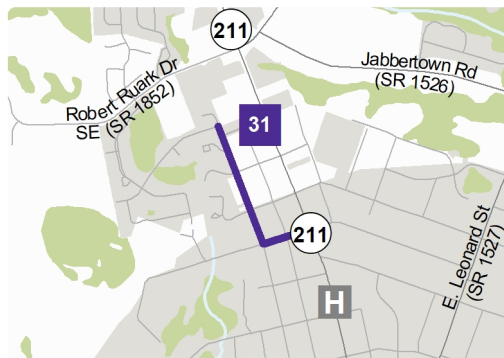
CTP Goal Analysis

Goal: Support growth through a transportation network that serves local, inter- and intra- regional accessibility and mobility needs for both people and goods.

Local ID: BRUN50011-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

4th Street

From 2nd Street to Dead End

Proposal Length: 0.76 miles

Identified Need

This bike lane is being recommended for lack of connectivity to the beach access paths, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Bike and Sidewalk Recommendation along 4th St from 2nd St to Dead End. From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

Project History/Linkage to Other Plans

From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Local ID: BRUN50012-B

Classification: Bicycle and Pedestrian

Location: Within Right of Way

Existing Road Data

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

N Fodale Ave

From NC 211 to E Moore St

Proposal Length: 0.87 miles

Identified Need

For Southport to have a safe, convenient, accessible and pedestrian network. Refer to Southport Pedestrian Plan for further information.

Recommendation

Sidewalk from Fodale Ave from NC 211 to E Moore St. This project is recommended in the adopted City of Southport Comprehensive Pedestrian Transportation Plan. Refer to this plan for further information.

Project History/Linkage to Other Plans

Refer to Southport Pedestrian Plan for further information.

CTP Goal Analysis

Goal: Support growth through a transportation network that serves local, inter- and intra- regional accessibility and mobility needs for both people and goods.

Local ID: BRUN50012-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Wall Street Extension

From US 17B to Holden Beach Road NW

Proposal Length: 1.11 miles

Identified Need

With all the businesses along this route, there are no sidewalks to accommodate for pedestrians.

Recommendation

Sidewalk along Wall Street Extension from US 17B to Holden Beach Road NW.

Project History/Linkage to Other Plans

Lack of sidewalks to accommodate for pedestrians in commercial area.

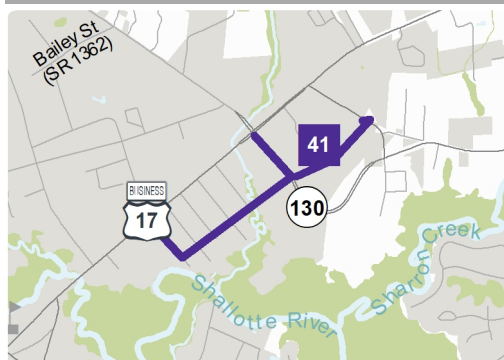
CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Local ID: BRUN50013-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

White St

From Smith Ave to Mulberry Park

Proposal Length: 0.65 miles

Identified Need

The purpose is to connect the sidewalk with commercial development at the intersection of Smith Avenue in Shallotte. Portions of the roadway have sidewalks but there is no continuous connectivity.

Recommendation

STIP Project EB-6035: Sidewalk extension on north side of street from Mulberry Park along White Street

Project History/Linkage to Other Plans

Lack of sidewalks to accommodate for pedestrians in commercial area.

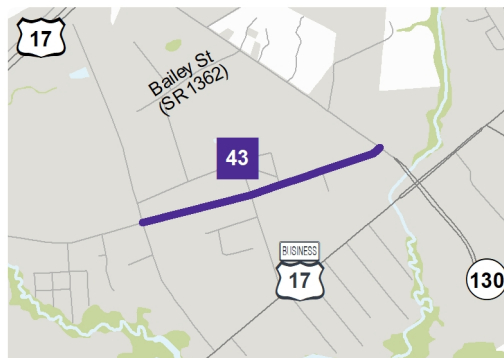
CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Local ID: BRUN50014-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	2
Speed Limit (mph):	35
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

W Fourth Street

From Third Street to Driftwood Drive

Proposal Length: 0.53 miles

Identified Need

From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan and is being recommended for lack of connectivity to the beach access paths, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Bike and Sidewalk along W Fourth St from Third St to Driftwood Dr.

Project History/Linkage to Other Plans

Refer 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

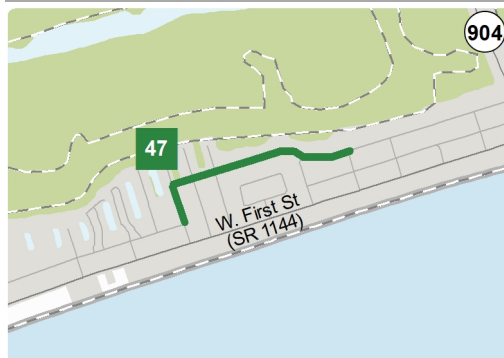
CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Local ID: BRUN50015-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

2nd Street

From High Point Street to 1st Street

Proposal Length: 3.26 miles

Identified Need

Providing individuals with bicycle lanes along beach communities is vital to this community. Refer to the 2014 Ocean Isle Beach Bicycle + Pedestrian Plan for this project.

Recommendation

STIP EB - 6034: Bicycle lanes and sidewalk on south side street from High Point Street to First Street in Ocean Isle Beach.

Project History/Linkage to Other Plans

Refer to the 2014 Ocean Isle Beach Bicycle + Pedestrian Plan for this project.

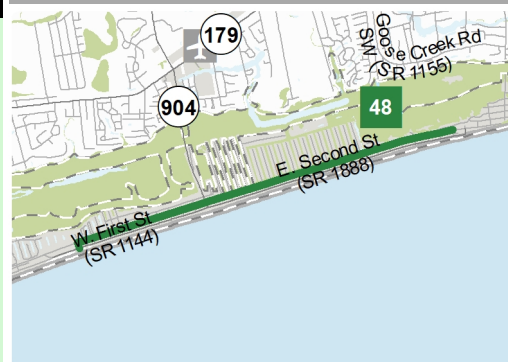
CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Local ID: BRUN50016-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

4th Street

From 2nd Street to Dead End

Proposal Length: 0.76 miles

Identified Need

From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan and is being recommended for lack of connectivity to the beach access paths, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Bike and Sidewalk Recommendation along 4th St from 2nd St to Dead End.

Project History/Linkage to Other Plans

From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

CTP Goal Analysis

Goal: Provide an integrated transportation network that encourages use of all modes by offering travel choices that are accessible to all segments of the region's population.

Local ID: BRUN50017-P

Classification: Bicycle and Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Virginia Dr/Dam Rd/W South Shore Dr

From Sunset Dr to NC 87

Proposal Length: 1.33 miles

Local ID: BRUN50018-M

Classification: Multiuse Path

Location: Within Right of Way

Identified Need

This project will address the lack of safety that pedestrians face when using this facility. Additional information can be found on the plan.

Recommendation

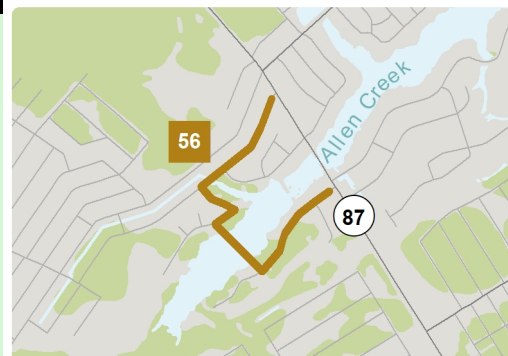
Multi-use recommendation along Virginia Dr/Dam Rd/W South Shore Dr from Sunset Dr to NC 87. This project comes from the final draft plan of the City of Boiling Springs Lakes Pedestrian Plan as a shared-use proposal, refer to the plan for further information.

Project History/Linkage to Other Plans

Refer to draft plan of the City of Boiling Springs Lakes Pedestrian Plan.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Winston Salem Street

E 4th Street to E 1st Street

Proposal Length: 0.06 miles

Local ID: BRUN50023-P

Classification: Pedestrian

Location: Within Right of Way

Identified Need

From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan and is being recommended for lack of connectivity to the beach access paths, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Sidewalk proposal along Winston Salem St from E 4th Street to E 1st Street.

Project History/Linkage to Other Plans

Sidewalks along Winston Salem Street from E 4th Street to E 1st Street. Refer to the Cape Fear Bicycle and Pedestrian Plan for further project details.

CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

W 3rd Street

NC 904 (Causeway Dr) to W Fourth St

Proposal Length: 0.39 miles

Identified Need

From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan and is being recommended for lack of connectivity to the beach access paths, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Sidewalk proposal along W 3rd Street from NC 904 to W 4th Street.

Project History/Linkage to Other Plans

Refer to 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

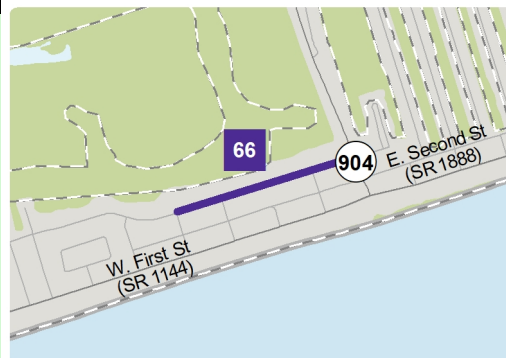
CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Local ID: BRUN50024-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Troy Street

W 3rd Street to W 1st Street

Proposal Length: 0.09 miles

Identified Need

From the adopted 2014 Ocean Isle Beach Bicycle and Pedestrian Plan and is being recommended for lack of connectivity to the beach access paths, alleviate high traffic seasonal volumes, and to promote a mix of traffic types.

Recommendation

Sidewalk proposal along Troy Street from W 3rd Street to E 1st Street.

Project History/Linkage to Other Plans

Review the 2014 Ocean Isle Beach Bicycle and Pedestrian Plan.

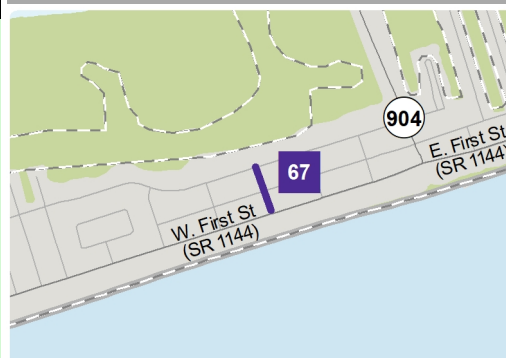
CTP Goal Analysis

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Local ID: BRUN50025-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

E West St

From N Atlantic Ave to NC 211

Proposal Length: 0.13 miles

Identified Need

For Southport to have a safe, convenient, accessible and pedestrian network. Refer to Southport Pedestrian Plan for further information.

Recommendation

Sidewalk along E West St from NC 211 to N Atlantic Ave. This project is recommended in the adopted City of Southport Comprehensive Pedestrian Transportation Plan.

Project History/Linkage to Other Plans

Refer to Southport Pedestrian Plan for further information.

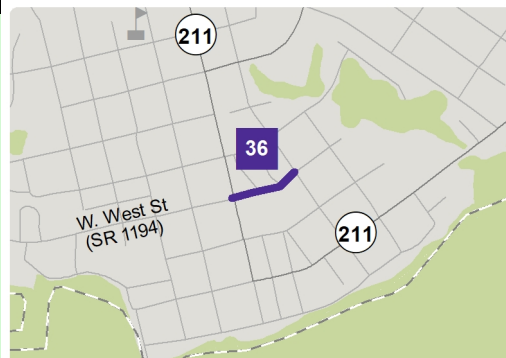
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN50027-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Atlantic Ave

From E George to E 8th St

Proposal Length: 0.28 miles

Identified Need

For Southport to have a safe, convenient, accessible and pedestrian network. Refer to Southport Pedestrian Plan for further information.

Recommendation

Sidewalk along Atlantic Ave from E George St to E 8th Street. This project is recommended in the adopted City of Southport Comprehensive Pedestrian Transportation Plan.

Project History/Linkage to Other Plans

Refer to Southport Pedestrian Plan for further information.

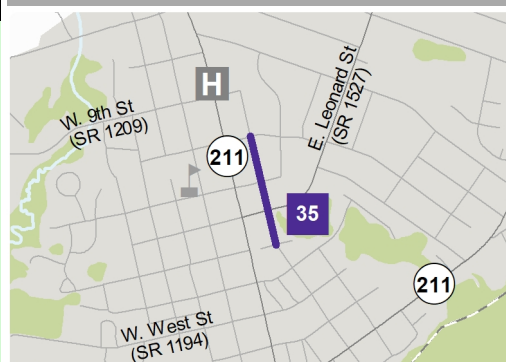
CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

Local ID: BRUN50028-P

Classification: Pedestrian

Location: Within Right of Way

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A

Brunswick St

From W West St to W Moore St

Proposal Length: 0.29 miles

Local ID: BRUN50029-P

Classification: **Pedestrian**Location: **Within Right of Way****Identified Need**

For Southport to have a safe, convenient, accessible and pedestrian network. Refer to Southport Pedestrian Plan for further information.

Recommendation

Sidewalk along Brunswick St from W West St to W Moore St. This project is recommended in the adopted City of Southport Comprehensive Pedestrian Transportation Plan.

Project History/Linkage to Other Plans

Refer to Southport Pedestrian Plan for further information.

CTP Goal Analysis

Goal: Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Existing Road Data**

Facility Type:	N/A
Travel Lanes:	N/A
Speed Limit (mph):	N/A
% Trucks:	N/A
ROW (ft):	N/A
2017 Volume(vpd):	N/A
2045 Volume(vpd):	N/A