

Construct roundabout

From Cedar St to Live Oak St

Local ID: R-5962

Purpose: **Mobility**

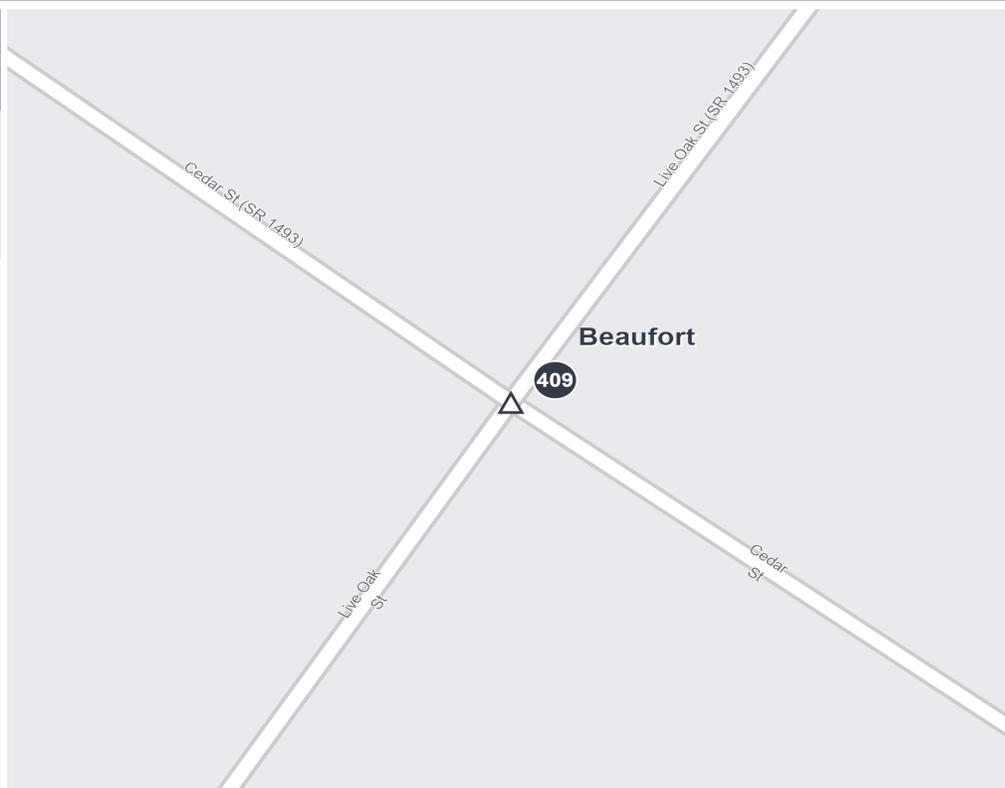
Improvement: **Improve Existing**

Identified Need

The primary purpose of the proposed project is to reduce travel time delay.

Recommendation

R-5962 includes constructing a one-lane, 90-ft diameter roundabout at the existing intersection with a truck apron, curb and gutter and a 10-ft side path for bicyclists and pedestrians.



	Local ID #	Improve	New Location		Local ID #	Improve	New Location
Congestion / Mobility	#	—	...	Interchange	⊕	□	■
Access Management / Operations	#	—	...	Bridge / Overpass	⊕	○	●
Modernization	#	—	...	Intersection	⊕	∟	△
Other	#	—	...				

Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Major Thoroughfare Multi-lane
Typical Section	02 H
Section Options	-
Length (miles)	0.01
Existing ROW (feet)	100
Safety Risk Score	-

Proposal Data: 2019 Base Year 2050 Future Year

Improved Route	2019 Base Year		2050 Future Year	
	Existing	Without Proposal	With Proposal	
<i>Facility Type</i>	Major Thoroughfare Multi-lane	Major Thoroughfare Multi-lane	Major Thoroughfare Multi-lane	Major Thoroughfare Multi-lane
<i>Travel Lanes</i>	4	4	2	
<i>Volume (vpd)</i>	6300	9000	9200	
<i>Capacity (vpd)</i>	22200	22200	22200	

Capacity Data: Year

Facility will be Approaching Capacity (>80%)	-
Facility will be Over Capacity (>=100%)	-

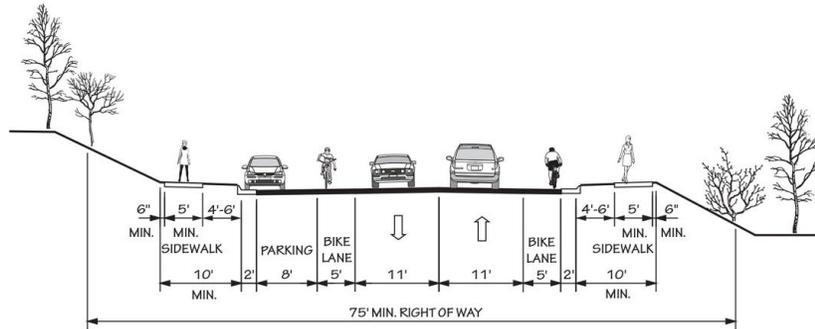


Typical Section Options:

None

TYPICAL SECTION No. 2H

2 LANE UNDIVIDED WITH CURB & GUTTER, PARKING ONE SIDE, BIKE LANES, AND SIDEWALKS



POSTED SPEED 25-45 MPH

Project History/Linkage to Other Plans

This project is unfunded in the 2024-2033 STIP. This project was submitted with an ID of H150522 in SPOT. It was previously identified in the 2018 Beaufort Small Area Plan (SAP) and Small Area Plan Supplement which seek to improve the Cedar Street and Live Oak Street Corridors in Beaufort.

Proposed improvements include constructing a one-lane, 90-ft diameter roundabout at the existing intersection with a truck apron, curb and gutter and a 10-ft side path for bicyclists and pedestrians. The project also proposes to terminate Gordon Street, a town-maintained road, which connects with Cedar Street just outside the existing intersection with Live Oak Street. In addition, eastbound Cedar Street from Live Oak Street to Hedrick Street would be converted to a two-lane curb and gutter section with sidewalks on both sides of the road. Proposed right of way is between 60 and 70 feet with full control of access proposed at the roundabout. The total project length is approximately 0.38 miles.

CTP Goal Analysis

Goals and Objectives Survey

The vision for Carteret County is to have a safe, diverse, efficient, integrated, and environmentally sensitive and sustainable multi-modal transportation system for its residents, visitors, and businesses. The Carteret County CTP goals include: promoting a safer and more secure transportation network, creating a more efficient transportation system, providing an integrated and multimodal transportation network, supporting regional growth in the transportation network, preserving the social and environmental character of the region, extending the life of the transportation system by developing sustainable transportation solutions, and anticipating future needs of the area in terms of resiliency and flooding.

Public Comments

This Carteret County CTP survey was open from March 1st, 2023 to April 30th, 2023 and there was an English and Spanish version of the survey. There were a total of 439 participants and 1,387 comments as pins on the map were received. This project received 9 comments as pins during the online survey. The main concern was regarding the road condition.

All environmental data in the database was considered. This Project is within 150 feet of:

- 1 Flood Hazard Area Feature(s)
- 1 High Quality And Outstanding Resource Water Feature(s)
- 3 Natural Heritage Element Occurrence Feature(s)
- 1 Protected Area Feature(s)
- 1 Target Local Watershed Feature(s)

This recommendation passes through one or more Census Blocks with the following characteristics:

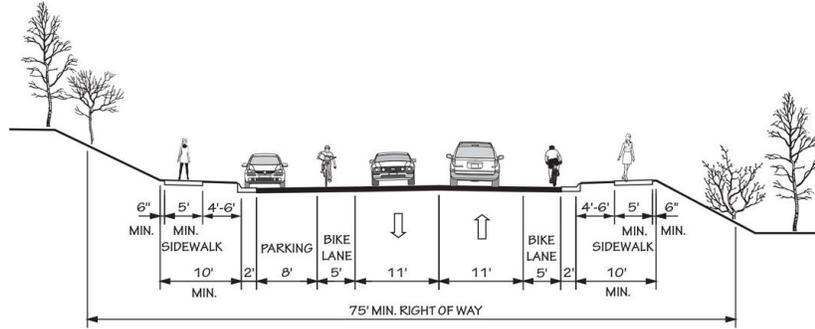
- Between 0% and 25% identify as 65+
- Between 25% and 50% identify as African American
- Between 0% and 5% identify as Asian
- Between 1% and 5% identify as Hispanic and Latino
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Asian and Pacific Islander
- Between 0% and 5% identify as Over 18 with Limited English Proficiency (LEP) - Indo-European
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Other

Typical Section Options:

None

TYPICAL SECTION No. 2H

2 LANE UNDIVIDED WITH CURB & GUTTER, PARKING ONE SIDE, BIKE LANES, AND SIDEWALKS



POSTED SPEED 25-45 MPH

- 0% identify as Over 18 with Limited English Proficiency (LEP) - Spanish
- Between 5% and 15% identify as Native American
- Between 5% and 10% identify as Two of More Races
- Between 15% and 25% identify as Below Poverty Line
- Between 20% and 50% identify as Households with No Car