



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141156

Mode: Highway

Status: Submitted

NC-179 (Old Georgetown Rd)

From/Cross Street: NC 904 (Seaside Rd)

Specific Improvement Type: 1 - Widen Existing Roadway

To: NC 179 BUS (Beach Dr)

Project Category: Regional Impact

Length: 3.76

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$28,193,000

Description:

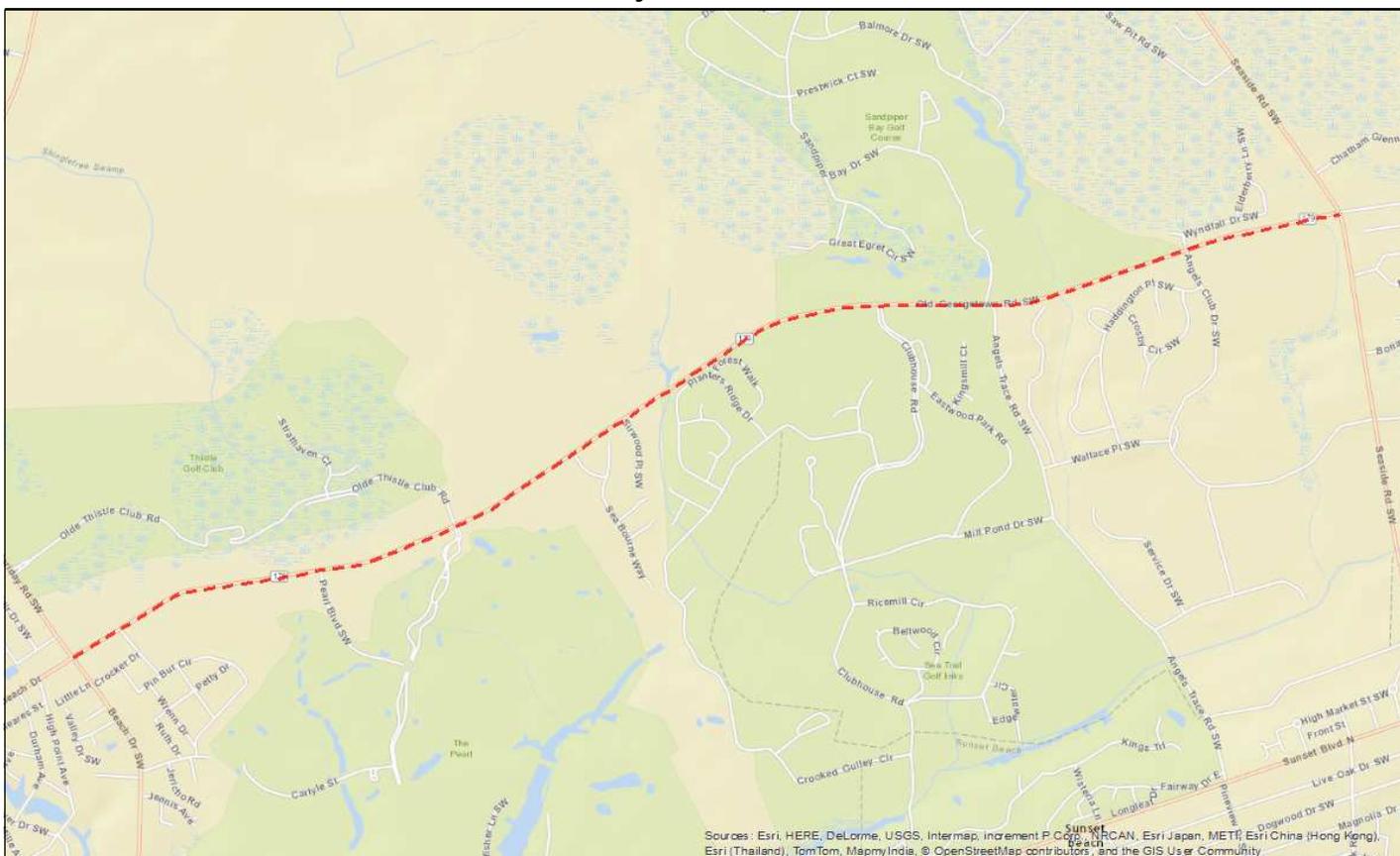
Widen NC 179 to a multi-lane facility with sidewalk from NC 904 (Seaside Road) to Beach Drive (179B).

Division(s): Division 3

County(s): BRUNSWICK

MPOS(s)/RPO(s): Grand Strand Transportation Study Area

Project Location



Statewide Mobility Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|--------------------------------------|----------------------------|
| | N/A | N/A |
| Totals: Weight: 0% Weighted Score: 0 | | |

Regional Impact Total Score: 17.88

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|--------------------------------------|----------------------------|
| Safety (25%) 22.11 | Percent: 15% Points: 0 | Percent: 15% Points: 80 |
| Multimodal + [Freight & Military] (25%) 0.98 | | |
| [Travel Time] Benefit/Cost (20%) 0.55 | | |
| Totals: Weight: 70% Weighted Score: 5.88 | | |

Division Needs Total Score: 12.83

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|--------------------------------------|----------------------------|
| Congestion (V/C) (20%) 41.54 | Percent: 25% Points: 0 | Percent: 25% Points: 0 |
| Safety (20%) 22.11 | | |
| Multimodal + [Freight & Military] (10%) 0.98 | | |
| Totals: Weight: 50% Weighted Score: 12.83 | | |

Project Data ***Existing Conditions**

| | |
|---|-----------------|
| Existing Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles); | 3.76 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Major Collector |
| Terrain Type: | Level |
| Lane Width: | 12 |
| Paved Shoulder Width: | 2 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 9896.83 |
| Capacity: | 15800 |
| Volume/Capacity Ratio: | 0.63 |
| % Autos: | 98% |
| % Trucks: | 2% |
| Truck Volume: | 195.5 |
| Crash Density: | 24.59 |
| Crash Severity: | 20.16 |
| Critical Crash Rate: | 21.58 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 3 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 18 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 86 |
| Actual Congested Speed: | 0 |
| Travel Time Index: | |

Project Benefits

| | |
|--|--|
| Project Cross-Section: | 4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks |
| Speed Limit: | 55 |
| Length (miles): | 3.76 |
| Facility Type: | Arterial |
| Access Control: | Partial |
| Functional Classification: | Major Collector |
| Terrain Type: | Level |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 4 |
| Travel Time Savings for 30 Years (Total): | 703492.98 |
| Travel Time Savings for 30 Years (Autos): | 689596.4 |
| Travel Time Savings for 30 Years (Trucks): | 13896.58 |
| Long-Term Employment: | |
| % Change in Economy: | |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | No |
| In CTP or LRTP? | Yes |
| CTP/LRTP Name: | GSATS 2035 Long Range Transportation Plan (LRTP) – Appendix H “North Carolina” |
| CTP/LRTP Completion Year: | 2014 |
| Submitted by: | Grand Strand Transportation Study Area |

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership

Division

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|---------|-----------------|----------------|
| Division 3 | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 0 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|--|---------|-----------------|----------------|
| Grand Strand Transportation Study Area | 100% | 80 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 80 | 0 |

Project Cost and Source

| | | |
|------------------------|---------------------|----------------------|
| Construction Cost: | \$23,604,000 | Cost Estimation Tool |
| Right-of-Way Cost: | \$4,097,000 | Cost Estimation Tool |
| Utilities Cost: | \$492,000 | Cost Estimation Tool |
| Total Project Cost: | \$28,193,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$28,193,000 | |