



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090417

Mode: Highway

Status: Submitted

US-301, NC-96

From/Cross Street: NC 96

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1007 (Brogden Road)

Project Category: Regional Impact

Length: 3.79

TIP#: U-3464

Fully Funded in Draft STIP? No

Cost to NCDOT: \$31,956,000

Description:

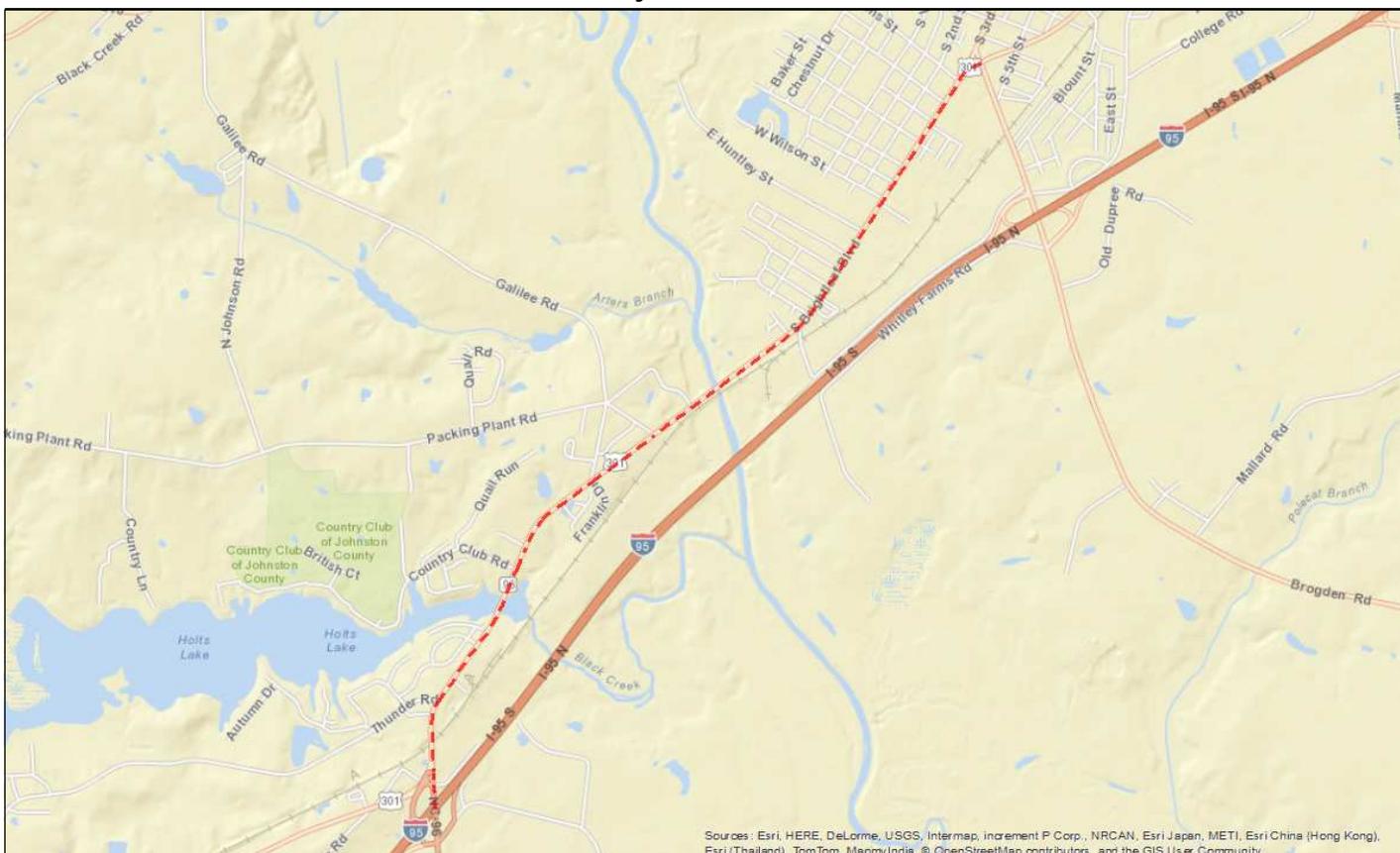
NC 96 to SR 1007 (Brogden Road). Widen to Multi-Lanes.

Division(s): Division 4

County(s): JOHNSTON

MPOS(s)/RPO(s): Upper Coastal Plain RPO

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: 58.01

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 43.03	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (15%) 53.18		
Lane Width (10%) 25.00		
[Paved] Shoulder Width (10%) 100.00		
[Travel Time] Benefit/Cost (20%) 5.37		
Totals: Weight: 70% Weighted Score: 28.01		

Division Needs Total Score: 22.66

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 43.03	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 53.18		
Lane Width (10%) 25.00		
[Paved] Shoulder Width (10%) 100.00		
[Travel Time] Benefit/Cost (10%) 5.37		
Totals: Weight: 50% Weighted Score: 22.66		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	44
Length (miles);	3.79
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	10384.88
Capacity:	16026.35
Volume/Capacity Ratio:	0.65
% Autos:	96%
% Trucks:	4%
Truck Volume:	400.39
Crash Density:	51.27
Crash Severity:	61.38
Critical Crash Rate:	46.89
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	26
Existing Median Type (for Cost Estimation):	TWLTL
Pavement Condition Rating:	57
Actual Congested Speed:	37.83
Travel Time Index:	1.1

Project Benefits

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	55
Length (miles):	3.79
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	7679651.93
Travel Time Savings for 30 Years (Autos):	7383563.85
Travel Time Savings for 30 Years (Trucks):	296088.08
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 4

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

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 4	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Upper Coastal Plain RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$22,458,000	TIP Unit
Right-of-Way Cost:	\$8,480,000	Cost Estimation Tool
Utilities Cost:	\$1,018,000	Cost Estimation Tool
Total Project Cost:	\$31,956,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$31,956,000	