



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140380

Mode: Highway

Status: Submitted

(Industrial-US 15/501 Connector)

From/Cross Street: US 15-501 (Sanford Rd)

Specific Improvement Type: 5 - Construct Roadway on New Location

To: Industrial Park Dr

Project Category: Division Needs

Length: 1.09

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$8,662,000

Description:

Construct 2-lane road on new location to connect US 15-501 (Sanford Rd) with Industrial Park Dr in Pittsboro, including bike lanes and sidewalks.

Division(s): Division 8

County(s): CHATHAM

MPOS(s)/RPO(s): Triangle Area RPO

Project Location



Statewide Mobility Total Score: 0

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

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points:	Percent: 15% Points:

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 50.37 Safety (10%) 53.89 [Travel Time] Benefit/Cost (20%) 17.43	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 18.95		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles);	2.3
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	12000
Capacity:	15800
Volume/Capacity Ratio:	0.76
% Autos:	94%
% Trucks:	6%
Truck Volume:	690
Crash Density:	74.3
Crash Severity:	27.92
Critical Crash Rate:	59.46
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	96
Actual Congested Speed:	39.1
Travel Time Index:	0.9

Project Benefits

Project Cross-Section:	2E - 2 Lane Undivided with Curb & Gutter, Bike Lanes, and Sidewalks
Speed Limit:	35
Length (miles):	1.09
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	6623250.14
Travel Time Savings for 30 Years (Autos):	6242413.26
Travel Time Savings for 30 Years (Trucks):	380836.88
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?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Triangle Area RPO

* 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 8	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Triangle Area RPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$8,231,000	Cost Estimation Tool
Right-of-Way Cost:	\$385,000	Cost Estimation Tool
Utilities Cost:	\$46,000	Cost Estimation Tool
Total Project Cost:	\$8,662,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$8,662,000	