



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141489

Mode: Highway

Status: Submitted

NC-87

From/Cross Street: NC 11

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Statewide Mobility

Length: 2

TIP#: R-2561B

Fully Funded in Draft STIP? No

Cost to NCDOT: \$18,600,000

Description:

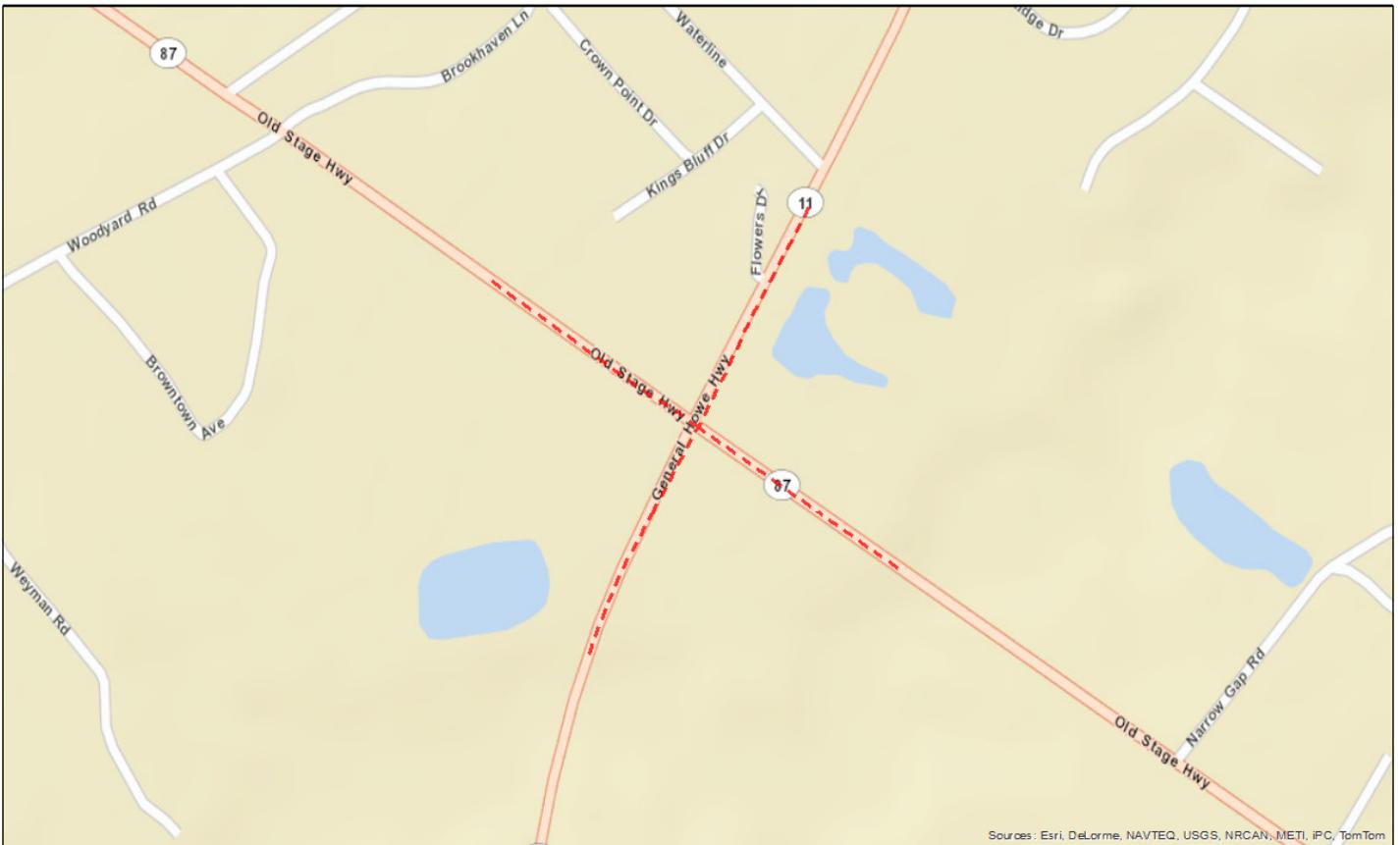
Convert at grade intersection to grade separation, square loop

Division(s): Division 6

County(s): COLUMBUS

MPOS(s)/RPO(s): Cape Fear RPO

Project Location



Statewide Mobility Total Score: 16.56

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 17.98	N/A	N/A
Safety (10%) 83.35		
Economic Competitiveness (10%) 1.86		
Multimodal + [Freight & Military] (20%) 11.42		
[Travel Time] Benefit/Cost (30%) 1.21		
Totals: Weight: 100% Weighted Score: 16.56		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 17.98	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 83.35		
[Travel Time] Benefit/Cost (25%) 1.21		
Accessibility / Connectivity (10%) 15.70		
Totals: Weight: 70% Weighted Score: 16.24		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 83.35	Percent: 25% Points:	Percent: 25% Points:
[Travel Time] Benefit/Cost (20%) 1.21		
Congestion (V/C) (20%) 17.98		
Totals: Weight: 50% Weighted Score: 12.17		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	7698.06
Capacity:	31000
Volume/Capacity Ratio:	0.25
% Autos:	86%
% Trucks:	14%
Truck Volume:	1043.23
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	100
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	57
Actual Congested Speed:	23.97
Travel Time Index:	2.29

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Two Lane Highway
Access Control:	Partial
Functional Classification:	Minor Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	972000
Travel Time Savings for 30 Years (Autos):	840275.61
Travel Time Savings for 30 Years (Trucks):	131724.39
Long-Term Employment:	15.99
% Change in Economy:	2.13E-05
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 6

* 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 6	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Cape Fear RPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$15,000,000	Cost Estimation Tool
Right-of-Way Cost:	\$3,600,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$18,600,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$18,600,000	