



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H129103

Mode: Highway

Status: Submitted

SR-1409 (New Route - Military Cutoff Road Extension)

From/Cross Street: SR 1409 (Military Cutoff Road) at US 17 Business

Specific Improvement Type: 5 - Construct Roadway on New Location

To: US 17 Bypass

Project Category: Statewide Mobility

Length: 3.52

TIP#: U-4751

Fully Funded in Draft STIP? Yes Statewide Mobility

Cost to NCDOT: \$106,650,000

Description:

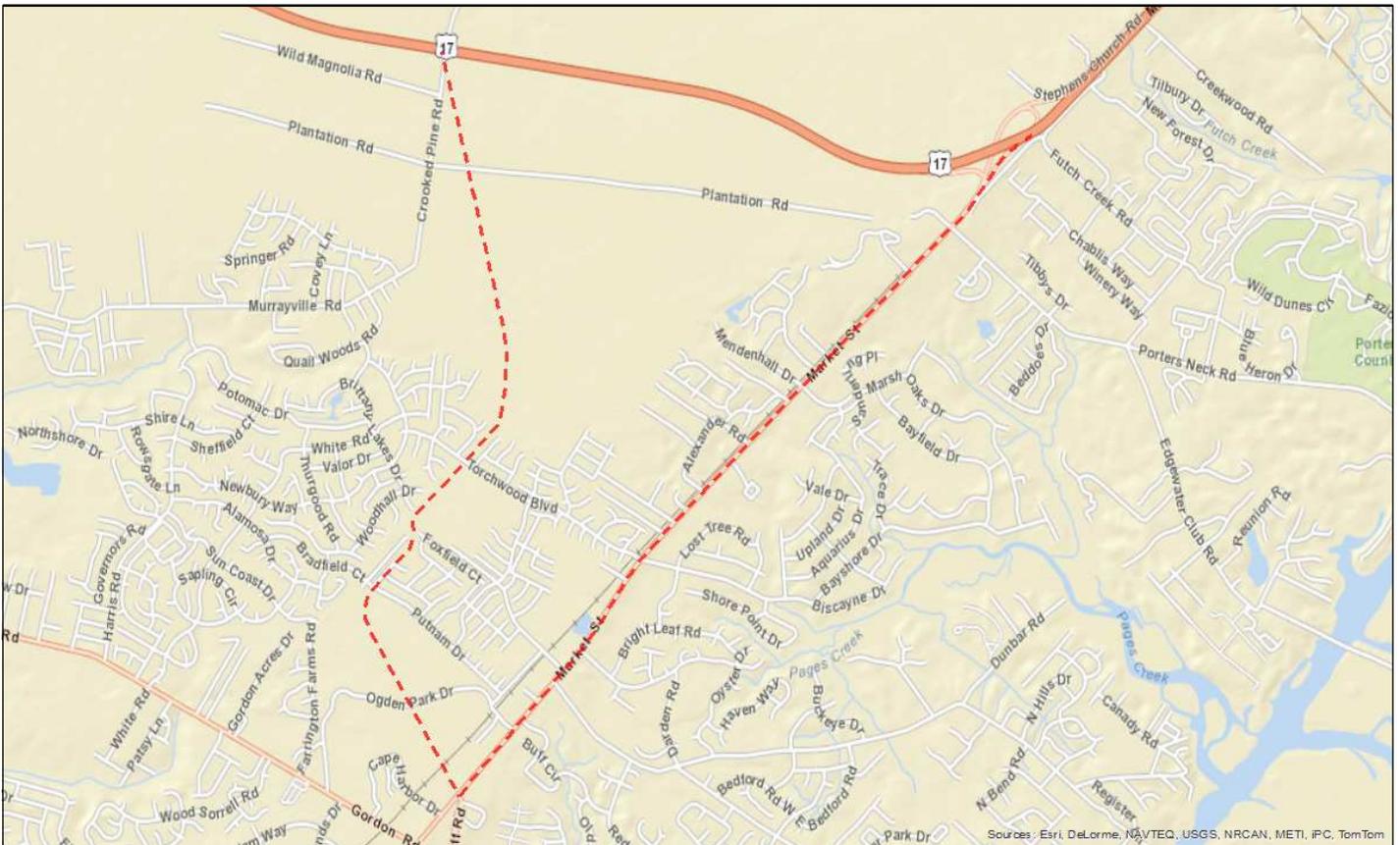
Construct Multi-Lanes on New Location.

Division(s): Division 3

County(s): NEW HANOVER

MPOS(s)/RPO(s): Wilmington Urban Area MPO

Project Location



Statewide Mobility Total Score: 58.46

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (30%) 19.52 Multimodal + [Freight & Military] (20%) 39.31 Congestion (V/C) (30%) 89.14 Safety (10%) 80.03 Economic Competitiveness (10%) 100.00	N/A	N/A
Totals: Weight: 100% Weighted Score: 58.46		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 80.03 Multimodal + [Freight & Military] (25%) 39.31 [Travel Time] Benefit/Cost (20%) 19.52	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 33.74		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 89.14 Safety (20%) 80.03 Multimodal + [Freight & Military] (10%) 39.31	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 37.77		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	6.6
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	Yes
Volume (AADT):	38878.2
Capacity:	31700.06
Volume/Capacity Ratio:	1.23
% Autos:	96%
% Trucks:	4%
Truck Volume:	1730.47
Crash Density:	95.05
Crash Severity:	54.47
Critical Crash Rate:	90.61
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	TWLTL
Pavement Condition Rating:	60
Actual Congested Speed:	45
Travel Time Index:	1.12

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	3.52
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	92901985.71
Travel Time Savings for 30 Years (Autos):	88766915.89
Travel Time Savings for 30 Years (Trucks):	4135069.82
Long-Term Employment:	1621
% Change in Economy:	0.00212228
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:	Division 3

* 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 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$59,000,000	TIP Unit
Right-of-Way Cost:	\$47,000,000	TIP Unit
Utilities Cost:	\$650,000	TIP Unit
Total Project Cost:	\$106,650,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$106,650,000	