



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141226

Mode: Highway

Status: Submitted

## US-74 (Martin Luther King Jr. Parkway)

From/Cross Street: US117/NC132 (College Road)

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

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$25,110,000

### Description:

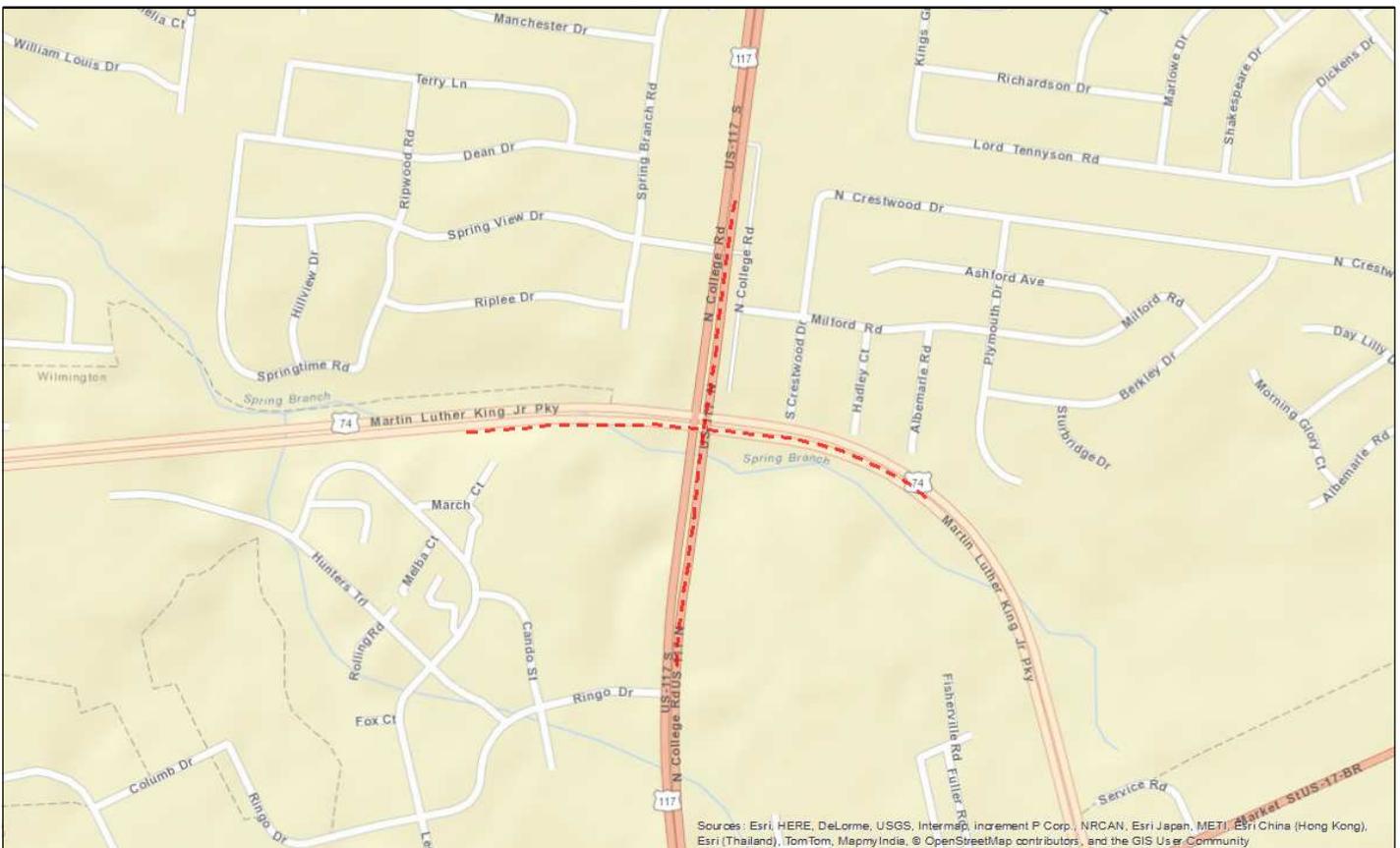
Convert at-grade intersection to a SPUI

Division(s): Division 3

County(s): NEW HANOVER

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

### Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

**Statewide Mobility Total Score: 32.88**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 59.97 Safety (10%) 83.35 Economic Competitiveness (10%) 3.38 Multimodal + [Freight & Military] (20%) 28.68 [Travel Time] Benefit/Cost (30%) 1.60	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 32.88</b>		

**Regional Impact Total Score: 28.33**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Multimodal + [Freight & Military] (25%) 28.68 Safety (25%) 83.35 [Travel Time] Benefit/Cost (20%) 1.60	Percent: 15% Points: 0	Percent: 15% Points: 0
<b>Totals: Weight: 70% Weighted Score: 28.33</b>		

**Division Needs Total Score: 56.53**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 59.97 Safety (20%) 83.35 Multimodal + [Freight & Military] (10%) 28.68	Percent: 25% Points: 100	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 31.53</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles);	2
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	8
Roadway has Curb & Gutter?	No
Volume (AADT):	61900.03
Capacity:	105488.74
Volume/Capacity Ratio:	0.59
% Autos:	95%
% Trucks:	5%
Truck Volume:	2802.18
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	66.7
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	59
Actual Congested Speed:	0
Travel Time Index:	

**Project Benefits**

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Arterial
Access Control:	Full
Functional Classification:	Other Principal Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	1796000
Travel Time Savings for 30 Years (Autos):	1714695.93
Travel Time Savings for 30 Years (Trucks):	81304.07
Long-Term Employment:	28.81
% Change in Economy:	3.87E-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:	Wilmington Urban Area MPO

\* 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	100
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>100</b>

**MPO/RPO**

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

**Project Cost and Source**

Construction Cost:	\$20,250,000	Cost Estimation Tool
Right-of-Way Cost:	\$4,860,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$25,110,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$25,110,000</b>	