



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090409-A

Mode: Highway

Status: Submitted

## SR-2233 (North Smithfield Road)

From/Cross Street: Carrington Drive

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 64/264 Business (Knightdale Boulevard)

Project Category: Division Needs

Length: 0.41

TIP#: U-3441A

Fully Funded in Draft STIP? No

Cost to NCDOT: \$4,020,000

### Description:

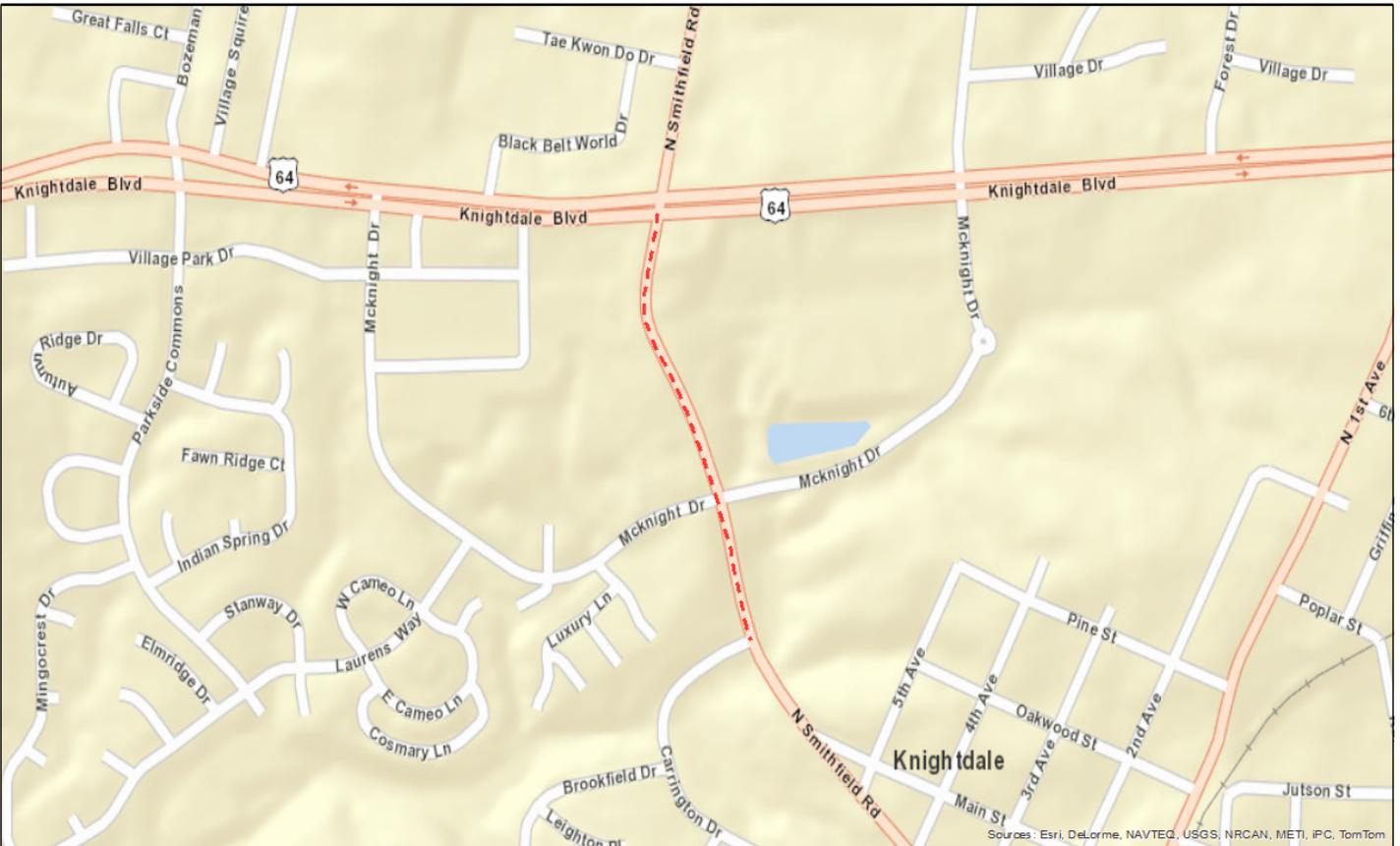
Carrington Drive to SR 2049 (Forestville Road). Widen to Multi-Lanes. Section A: SR 3590 (Carrington Drive) to US 64/264 Business (Knightdale Boulevard).

Division(s): Division 5

County(s): WAKE

MPOS(s)/RPO(s): Capital Area MPO

### Project Location



**Statewide Mobility Total Score: 0**

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

**Regional Impact Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
<b>Totals: Weight: 0% Weighted Score: 0</b>	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%) 46.13 Safety (10%) 93.01 [Travel Time] Benefit/Cost (20%) 1.36	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 18.8</b>		

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

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	0.41
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	10990.45
Capacity:	15800.19
Volume/Capacity Ratio:	0.7
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	99.76
Crash Severity:	79.55
Critical Crash Rate:	99.76
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:	93
Actual Congested Speed:	26
Travel Time Index:	1.35

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	35
Length (miles):	0.41
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	248943.27
Travel Time Savings for 30 Years (Autos):	248943.27
Travel Time Savings for 30 Years (Trucks):	0
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:	Division 5

\* 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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 5	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Capital 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:	\$2,850,000	TIP Unit
Right-of-Way Cost:	\$1,045,000	Cost Estimation Tool
Utilities Cost:	\$125,000	Cost Estimation Tool
Total Project Cost:	\$4,020,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$4,020,000</b>	