



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090409-B

Mode: Highway

Status: Submitted

## SR-2233 (North Smithfield Road)

From/Cross Street: US 64/264 Business (Knightdale Boulevard)

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 2049 (Forestville Road)

Project Category: Division Needs

Length: 0.74

TIP#: U-3441B

Fully Funded in Draft STIP? No

Cost to NCDOT: \$9,802,000

### Description:

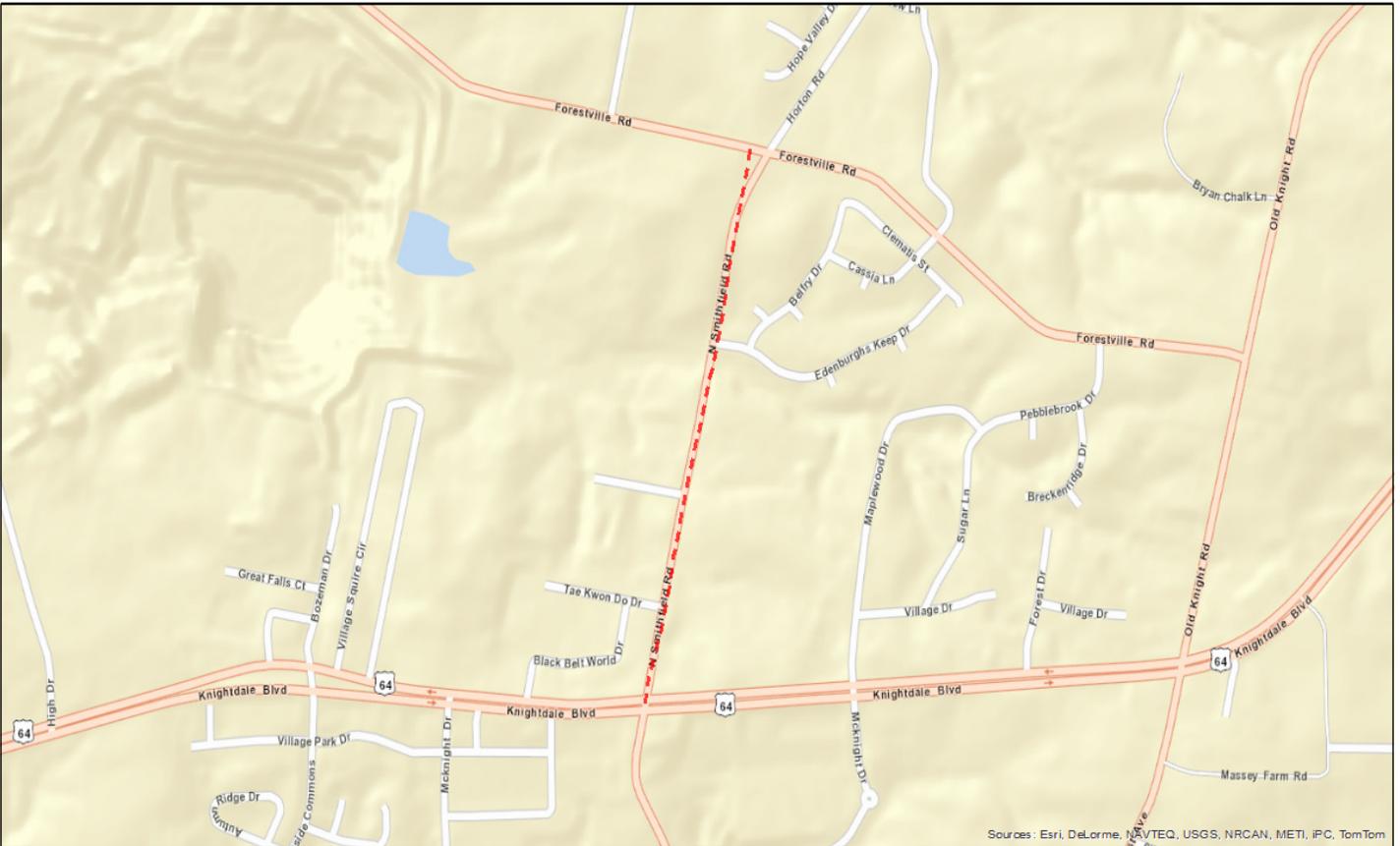
Carrington Drive to SR 2049 (Forestville Road). Widen to Multi-Lanes. Section B: US 64/264 Business (Knightdale Boulevard) to SR 2049 (Forestville Road).

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
	N/A	N/A
<b>Totals: Weight: 0% Weighted Score: 0</b>		

**Regional Impact Total Score: 0**

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

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)                      40.30	Percent: 25% Points:	Percent: 25% Points:
Safety (10%)                                      66.37		
[Travel Time] Benefit/Cost (20%)            0.59		
<b>Totals: Weight: 50% Weighted Score: 14.82</b>		

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

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	0.74
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	9600
Capacity:	15800
Volume/Capacity Ratio:	0.61
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	99.87
Crash Severity:	44.19
Critical Crash Rate:	55.09
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	100
Actual Congested Speed:	25.7
Travel Time Index:	1.3

**Project Benefits**

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	35
Length (miles):	0.74
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):	264957.77
Travel Time Savings for 30 Years (Autos):	264957.77
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:	\$5,358,000	TIP Unit
Right-of-Way Cost:	\$3,968,000	Cost Estimation Tool
Utilities Cost:	\$476,000	Cost Estimation Tool
Total Project Cost:	\$9,802,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$9,802,000</b>	