



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090664

**Mode:** Highway

**Status:** Submitted

## NC-20

**From/Cross Street:** US 401 Business (East Central Avenue)

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** US 301

**Project Category:** Regional Impact

**Length:** 19.01

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$128,340,000

### Description:

Widen NC 20 to Four Lanes from US 401 Business (East Central Avenue) in Raeford to US 301 in Saint Pauls.

**Division(s):** Division 6, Division 8

**County(s):** ROBESON, HOKE

**MPOS(s)/RPO(s):** Lumber River RPO, Fayetteville 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
Congestion (V/C) (25%) 16.29	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 38.74		
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 13.47		
<b>Totals: Weight: 70% Weighted Score: 9.29</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 16.29	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 38.74		
[Travel Time] Benefit/Cost (20%) 0.00		
<b>Totals: Weight: 50% Weighted Score: 7.13</b>		

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

Existing Cross-Section:	
Speed Limit:	52
Length (miles):	19.01
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	3824.16
Capacity:	15543.51
Volume/Capacity Ratio:	0.25
% Autos:	85%
% Trucks:	15%
Truck Volume:	557.37
Crash Density:	44.56
Crash Severity:	35.52
Critical Crash Rate:	36.17
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	76
Actual Congested Speed:	0
Travel Time Index:	0

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	19.01
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Major Collector
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	-1478048.08
Travel Time Savings for 30 Years (Autos):	-1262624.43
Travel Time Savings for 30 Years (Trucks):	-215423.65
Long-Term Employment:	
% Change in Economy:	
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!line tool and associated databases.

**Project Ownership**

**Division**

Division	Percent	Regional Impact	Division Needs
Division 6	52%	0	0
Division 8	48%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Lumber River RPO	64%	0	0
Fayetteville Area MPO	36%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$120,840,000	TIP Unit
Right-of-Way Cost:	\$6,696,000	Cost Estimation Tool
Utilities Cost:	\$804,000	Cost Estimation Tool
Total Project Cost:	\$128,340,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$128,340,000</b>	