



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H140114

**Mode:** Highway

**Status:** Submitted

## NC-115 (Old Statesville Road)

**From/Cross Street:** NC 73 (Sam Furr Road)

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

**To:** Washam-Potts Road

**Project Category:** Regional Impact

**Length:** 2.54

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$24,587,000

### Description:

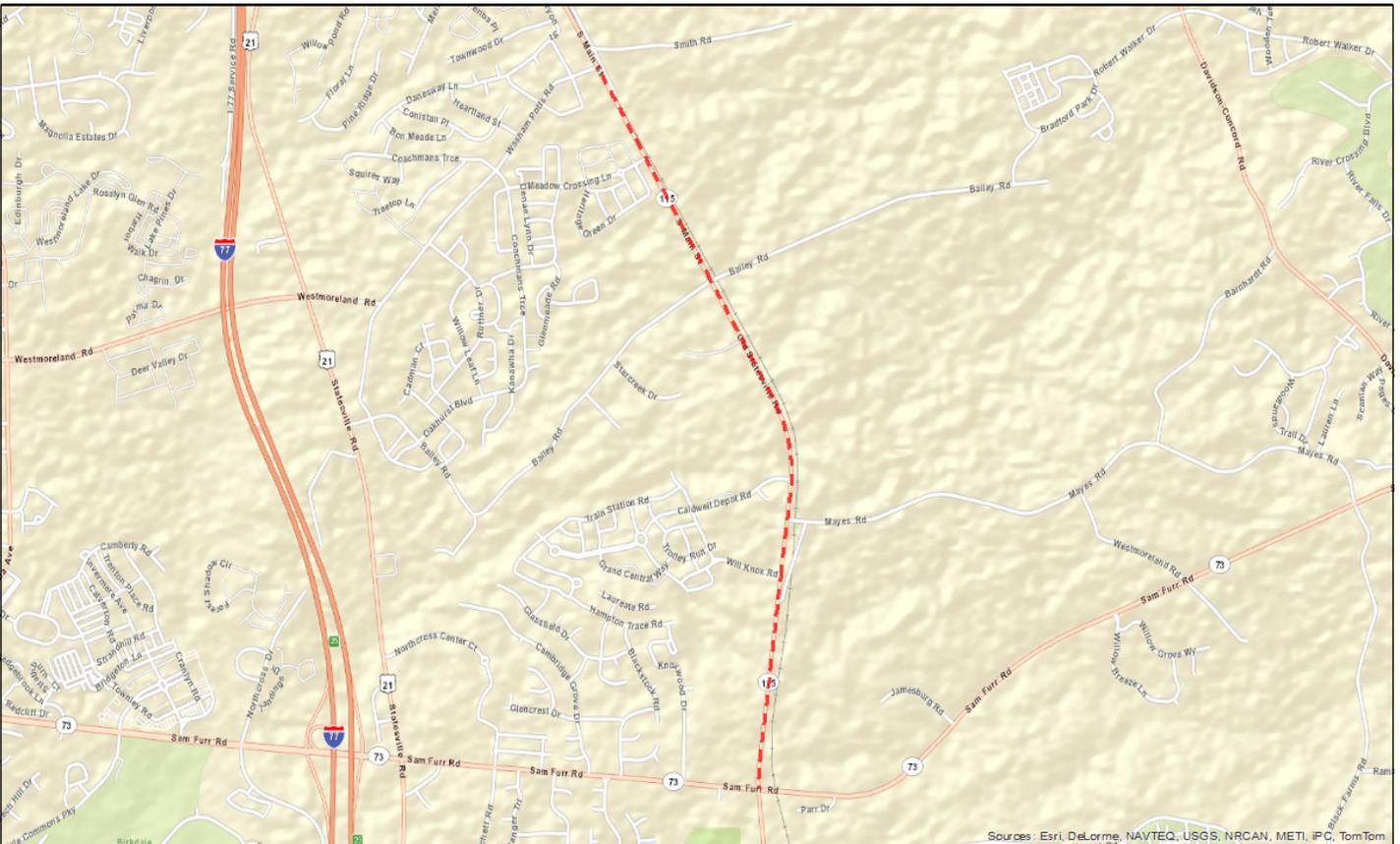
Widen existing two-lane undivided roadway to a four-lane median divided facility with a multi-use path on the west side of the roadway. It is currently a two-lane facility that experiences recurring and non-recurring congestion due to I-77 congestion and accidents, often creating gridlock in the entire corridor, including the downtown areas of Davidson, Cornelius and Huntersville. Widening this section of Hwy. 115 to four lanes will provide typical congestion relief along with I-77 accident/

**Division(s):** Division 10

**County(s):** MECKLENBURG

**MPOS(s)/RPO(s):** Charlotte Regional Transportation Planning Organization

### Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

**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
Accessibility / Connectivity (10%) 18.12	Percent: 15% Points:	Percent: 15% Points:
Congestion (V/C) (25%) 51.85		
Safety (10%) 46.56		
[Travel Time] Benefit/Cost (25%) 2.54		
<b>Totals: Weight: 70% Weighted Score: 20.07</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 51.85	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 46.56		
[Travel Time] Benefit/Cost (20%) 2.54		
<b>Totals: Weight: 50% Weighted Score: 15.53</b>		

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

Existing Cross-Section:	
Speed Limit:	42
Length (miles):	2.54
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	12351.7
Capacity:	15800
Volume/Capacity Ratio:	0.78
% Autos:	97%
% Trucks:	3%
Truck Volume:	387.24
Crash Density:	59.46
Crash Severity:	35
Critical Crash Rate:	45.24
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	91
Actual Congested Speed:	34
Travel Time Index:	1.32

**Project Benefits**

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	45
Length (miles):	2.54
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	2709026.18
Travel Time Savings for 30 Years (Autos):	2624095.4
Travel Time Savings for 30 Years (Trucks):	84930.78
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?	Yes
CTP/LRTP Name:	2040 Metropolitan Transportation Plan
CTP/LRTP Completion Year:	2014
Submitted by:	Charlotte Regional Transportation Planning Organization

\* 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 10	100%	0	0
	0%	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
Charlotte Regional Transportation Planning Organization	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:	\$18,361,000	Cost Estimation Tool
Right-of-Way Cost:	\$5,559,000	Cost Estimation Tool
Utilities Cost:	\$667,000	Cost Estimation Tool
Total Project Cost:	\$24,587,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$24,587,000</b>	