



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140154

Mode: Highway

Status: Submitted

## NC-73 (Sam Furr Road)

From/Cross Street: SR 5544 (West Catawba Avenue) Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 2316 (Northcross Drive)

Project Category: Regional Impact

Length: 1.11

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$28,095,000

### Description:

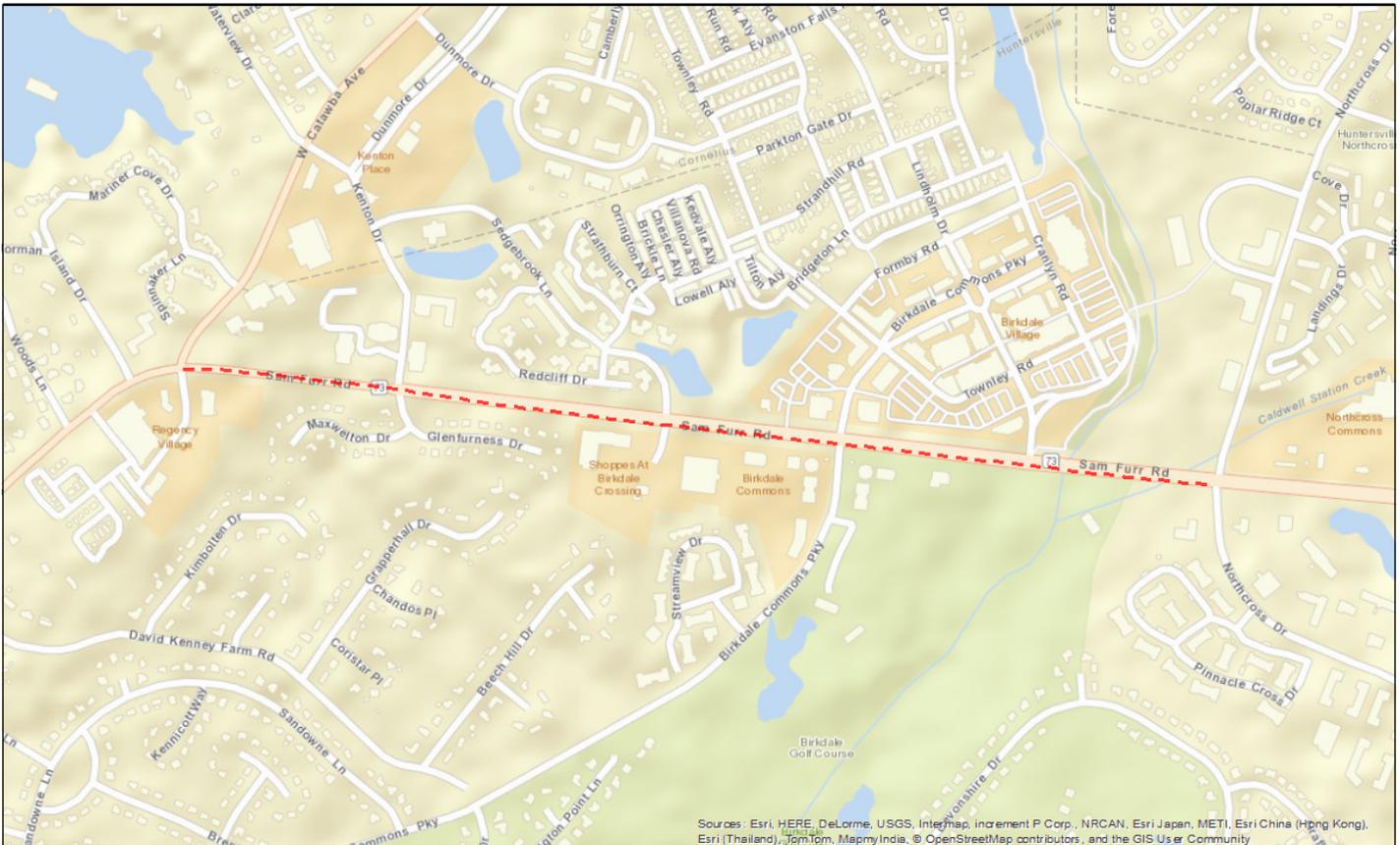
Widen from four lanes to six lanes with median, wide outside lanes, and sidewalks. Congestion levels are increasing, median needed for access management, intersection improvements

Division(s): Division 10

County(s): MECKLENBURG

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

### 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: 60.24**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 78.61	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 78.76		
[Travel Time] Benefit/Cost (25%) 4.10		
Accessibility / Connectivity (10%) 16.81		
<b>Totals: Weight: 70% Weighted Score: 30.24</b>		

**Division Needs Total Score: 24.42**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 78.61	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 78.76		
[Travel Time] Benefit/Cost (20%) 4.10		
<b>Totals: Weight: 50% Weighted Score: 24.42</b>		

**Project Data \***

**Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	1.11
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	32440.32
Capacity:	29655.57
Volume/Capacity Ratio:	1.09
% Autos:	94%
% Trucks:	6%
Truck Volume:	2101.62
Crash Density:	84.86
Crash Severity:	66.58
Critical Crash Rate:	84.86
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	75
Actual Congested Speed:	30
Travel Time Index:	1.5

**Project Benefits**

Project Cross-Section:	6E - 6 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.11
Facility Type:	Arterial
Access Control:	Partial
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):	5101597.34
Travel Time Savings for 30 Years (Autos):	4771093.91
Travel Time Savings for 30 Years (Trucks):	330503.43
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!ine tool and associated databases.

**Project Ownership**

**Division**

Division	Percent	Regional Impact	Division Needs
Division 10	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Charlotte Regional Transportation Planning Organization	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$26,844,000	TIP Unit
Right-of-Way Cost:	\$30,000	TIP Unit
Utilities Cost:	\$1,221,000	TIP Unit
Total Project Cost:	\$28,095,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$28,095,000</b>	