



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140416

Mode: Highway

Status: Submitted

SR-1009 (Charlotte Avenue)

From/Cross Street: Seymour Street

Specific Improvement Type: 1 - Widen Existing Roadway

To: NC 200 (Dickerson Boulevard)

Project Category: Division Needs

Length: 0.37

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$3,903,000

Description:

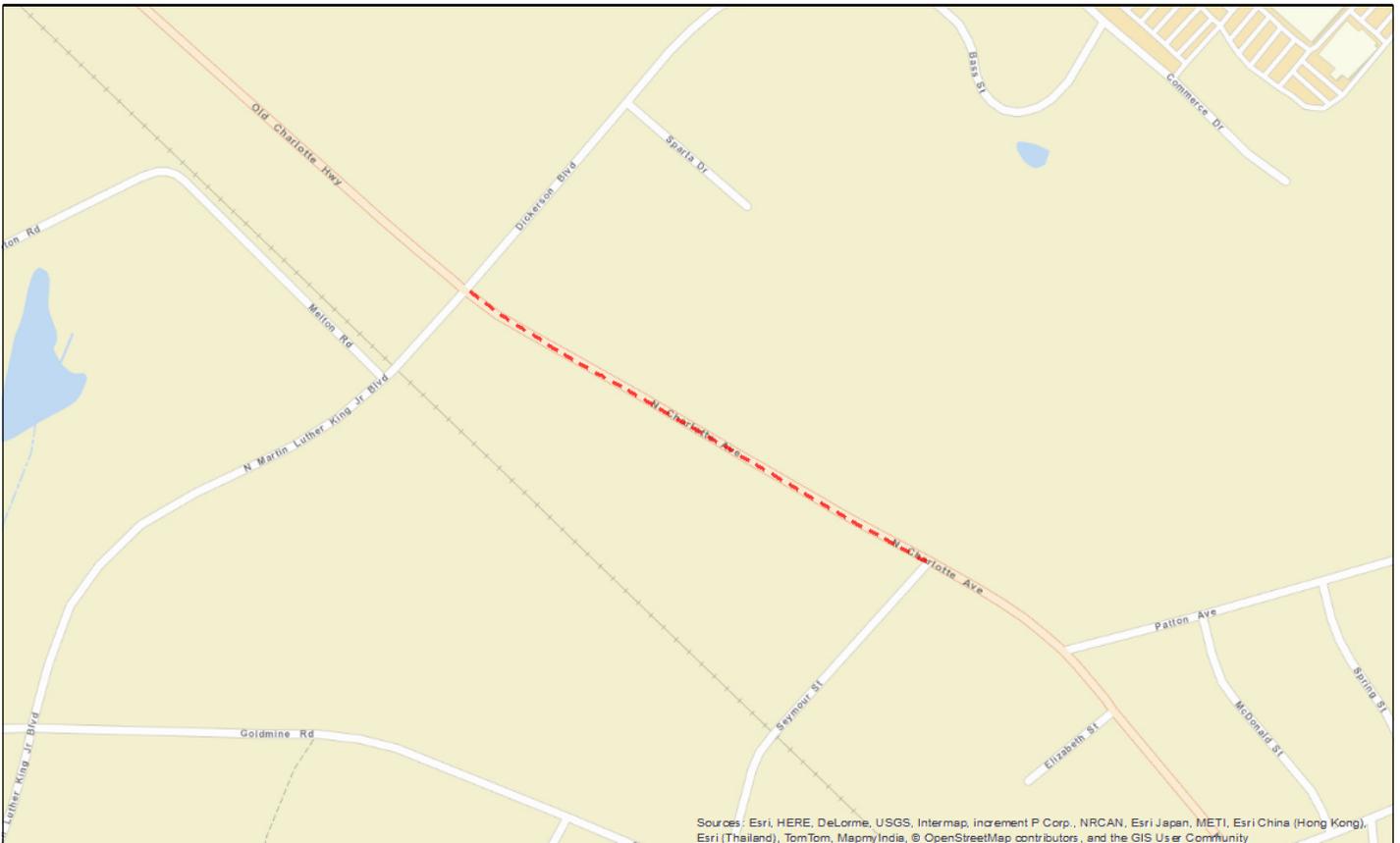
Widen roadway from two-lane undivided alignment to a four-lane median divided roadway with bicycle lanes and sidewalks on each side. Charlotte Avenue (SR 1009) between Airport Road (SR 1349) and Downtown Monroe is a major entryway into the City of Monroe. Improvement is required to address capacity and to meet the complete street concept.

Division(s): Division 10

County(s): UNION

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

Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Statewide Mobility Total Score: 0

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

Regional Impact Total Score: 0

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

Division Needs Total Score: 69.07

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 54.57	Percent: 25% Points: 100	Percent: 25% Points: 100
Safety (10%) 77.67		
[Travel Time] Benefit/Cost (20%) 1.94		
Totals: Weight: 50% Weighted Score: 19.07		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	0.37
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	13000.04
Capacity:	15800.05
Volume/Capacity Ratio:	0.82
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	99.73
Crash Severity:	66.52
Critical Crash Rate:	66.79
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):	Undivided
Pavement Condition Rating:	96
Actual Congested Speed:	28
Travel Time Index:	1.61

Project Benefits

Project Cross-Section:	4D - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	0.37
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):	344984.54
Travel Time Savings for 30 Years (Autos):	344984.54
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?	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%	0	100
	0%	0	0
	0%	0	0
TOTAL Division Points		0	100

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$2,780,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,003,000	Cost Estimation Tool
Utilities Cost:	\$120,000	Cost Estimation Tool
Total Project Cost:	\$3,903,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$3,903,000	