



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H141299

**Mode:** Highway

**Status:** Submitted

## NC-27 (West Charlotte Ave)

**From/Cross Street:** SR 2534 (Hawthorne Street

**Specific Improvement Type:** 10 - Improve Intersection

**To:**

**Project Category:** Regional Impact

**Length:** 0.5

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$2,325,000

### Description:

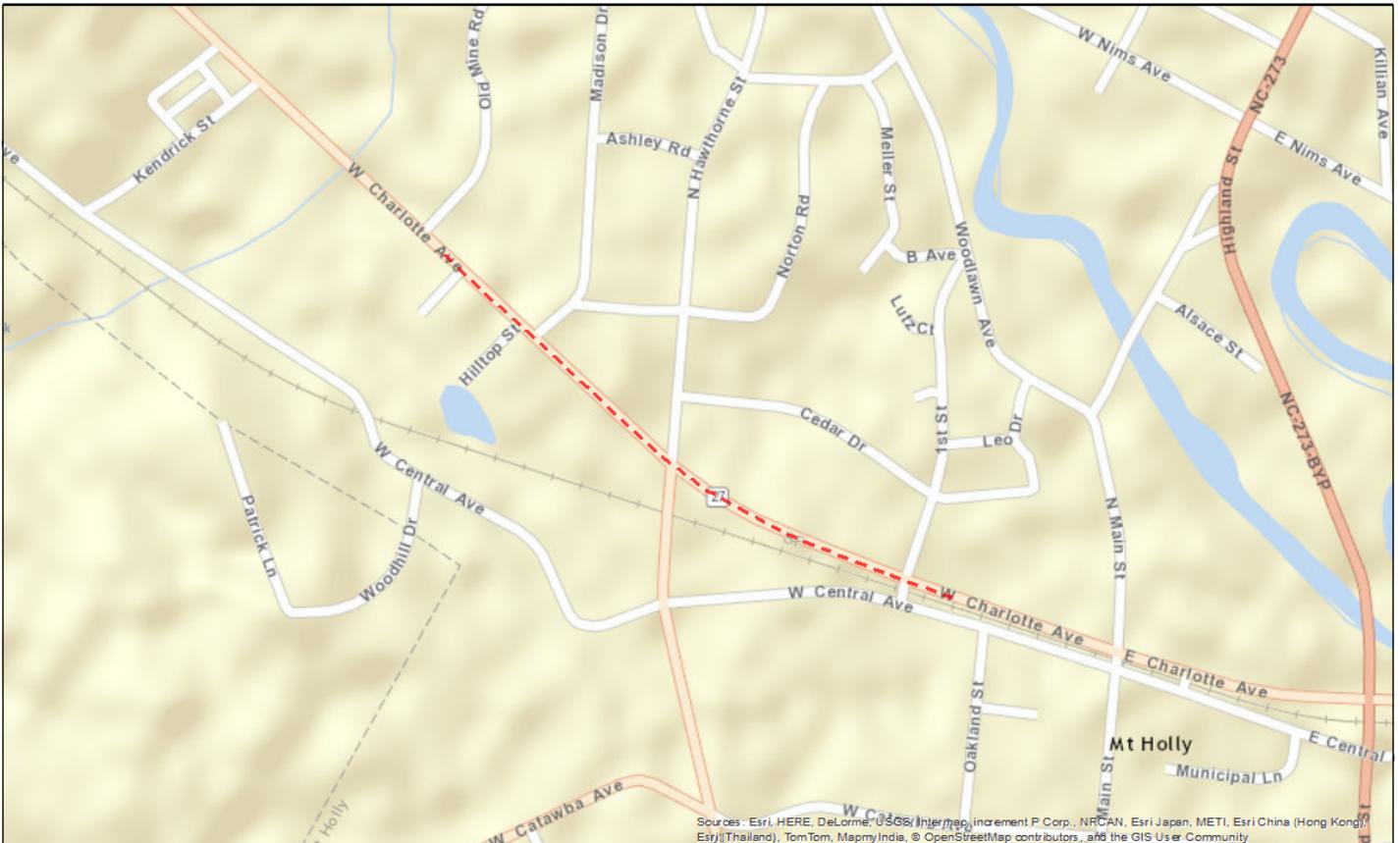
Intersection improvements and signalization. Crosswalks, pedheads, turn lanes on every approach.

**Division(s):** Division 12

**County(s):** GASTON

**MPOS(s)/RPO(s):** Gaston-Cleveland-Lincoln MPO

### Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P. Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox, 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
<b>Totals: Weight: 0% Weighted Score: 0</b>		

**Regional Impact Total Score: 39.93**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 46.89	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%) 33.35		
[Travel Time] Benefit/Cost (25%) 31.64		
Accessibility / Connectivity (10%) 19.60		
<b>Totals: Weight: 70% Weighted Score: 24.93</b>		

**Division Needs Total Score: 69.04**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 46.89	Percent: 25% Points: 100	Percent: 25% Points: 100
Safety (10%) 33.35		
[Travel Time] Benefit/Cost (20%) 31.64		
<b>Totals: Weight: 50% Weighted Score: 19.04</b>		

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

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	0.5
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):	20398.91
Capacity:	31599.99
Volume/Capacity Ratio:	0.65
% Autos:	94%
% Trucks:	6%
Truck Volume:	1306.63
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	96
Actual Congested Speed:	38
Travel Time Index:	1.18

**Project Benefits**

Project Cross-Section:	
Speed Limit:	45
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	3257000
Travel Time Savings for 30 Years (Autos):	3048376.88
Travel Time Savings for 30 Years (Trucks):	208623.12
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 MTP
CTP/LRTP Completion Year:	2014
Submitted by:	Gaston-Cleveland-Lincoln MPO

\* 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 12	100%	0	100
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>100</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Gaston-Cleveland-Lincoln MPO	100%	100	100
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$1,875,000	Cost Estimation Tool
Right-of-Way Cost:	\$450,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,325,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$2,325,000</b>	