



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140335

Mode: Highway

Status: Submitted

## SR-1302, 2395 (Cornelius Road, Mazeppa Road)

From/Cross Street: US 21 (Charlotte Highway)

Specific Improvement Type: 5 - Construct Roadway on New Location

To: NC 115 (Statesville Highway)

Project Category: Division Needs

Length: 0.8

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$9,961,000

### Description:

Construct a new four-lane roadway with median, bike lanes, and sidewalks on new location. The Town of Mooresville has acquired nearly all of the 110' Right of way for this project, and plans to construct an interim two-lane alignment within the next ten years provided the funding from a G.O. bond moves forward. The interim alignment would be constructed within the future traveled way of the eastbound approach of the four-lane roadway.

Division(s): Division 12

County(s): IREDELL

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: 0**

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

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 75.60 [Travel Time] Benefit/Cost (20%) 0.78 Congestion (V/C) (20%) 60.59	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 19.83</b>		

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

Existing Cross-Section:	
Speed Limit:	51
Length (miles);	1.4
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	14291.97
Capacity:	15628.65
Volume/Capacity Ratio:	0.91
% Autos:	94%
% Trucks:	6%
Truck Volume:	883.88
Crash Density:	99.8
Crash Severity:	57.17
Critical Crash Rate:	69.86
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	96
Actual Congested Speed:	35.27
Travel Time Index:	1.56

**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):	0.8
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	322576.28
Travel Time Savings for 30 Years (Autos):	302626.78
Travel Time Savings for 30 Years (Trucks):	19949.5
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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 12	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
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:	\$8,330,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,456,000	Cost Estimation Tool
Utilities Cost:	\$175,000	Cost Estimation Tool
Total Project Cost:	\$9,961,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$9,961,000</b>	