



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111172-A

Mode: Highway

Status: Submitted

## NC-160

From/Cross Street: South Carolina State Line

Specific Improvement Type: 1 - Widen Existing Roadway

To: NC 49 (South Tryon Road)

Project Category: Regional Impact

Length: 2.05

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$24,595,000

### Description:

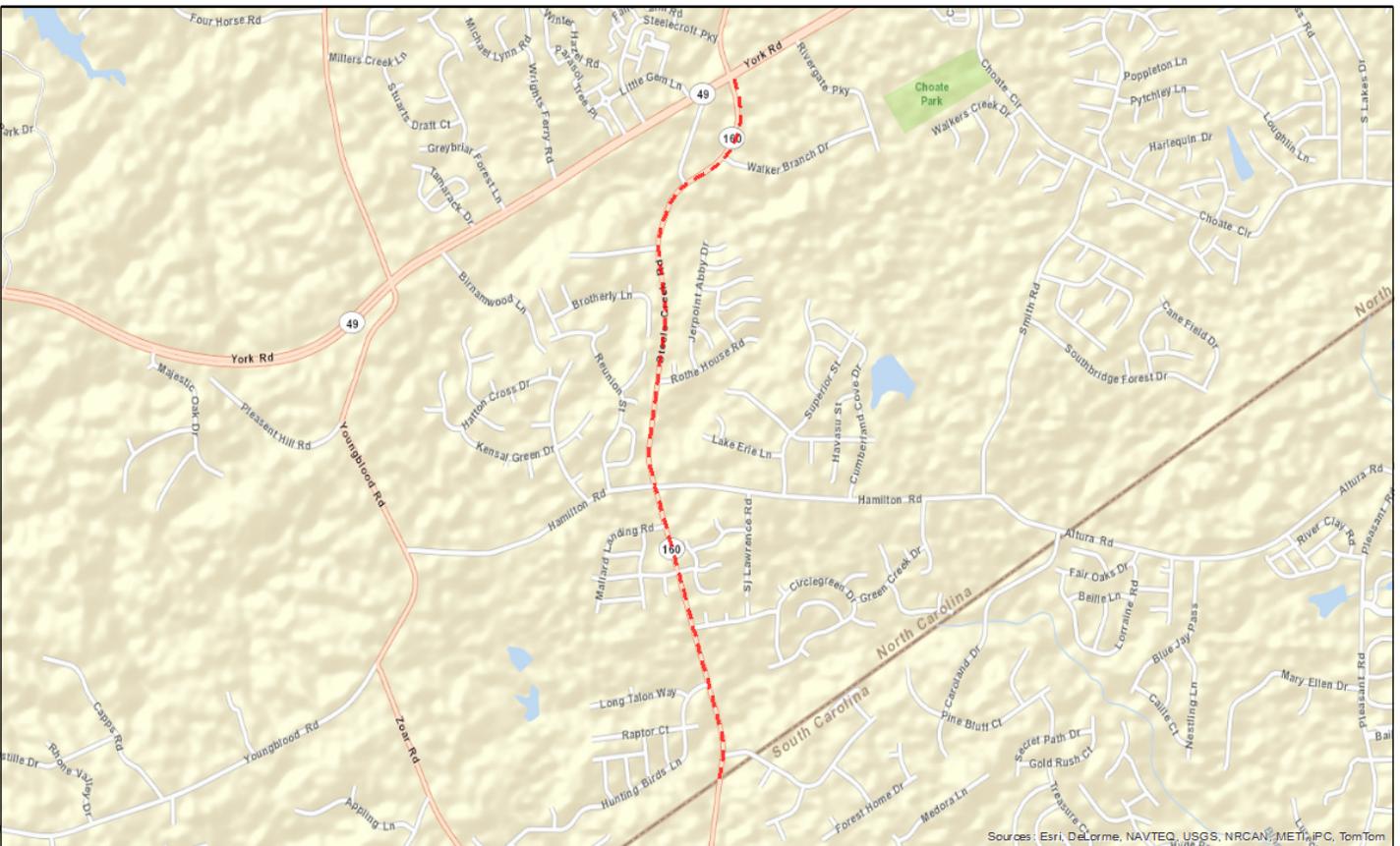
Widen to Multi-Lanes.

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
Congestion (V/C) (25%) 54.57	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 47.88		
[Travel Time] Benefit/Cost (25%) 5.07		
Accessibility / Connectivity (10%) 18.33		
<b>Totals: Weight: 70% Weighted Score: 21.53</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 5.07	Percent: 25% Points:	Percent: 25% Points:
Congestion (V/C) (20%) 54.57		
Safety (10%) 47.88		
<b>Totals: Weight: 50% Weighted Score: 16.71</b>		

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

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	2.05
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):	12999.93
Capacity:	15799.91
Volume/Capacity Ratio:	0.82
% Autos:	94%
% Trucks:	6%
Truck Volume:	729.99
Crash Density:	42.21
Crash Severity:	50.31
Critical Crash Rate:	51.13
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:	77
Actual Congested Speed:	36
Travel Time Index:	0.97

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	50
Length (miles):	2.05
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):	5534426.63
Travel Time Savings for 30 Years (Autos):	5223649.07
Travel Time Savings for 30 Years (Trucks):	310777.56
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?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 10

\* 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	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:	\$21,656,000	TIP Unit
Right-of-Way Cost:	\$486,000	TIP Unit
Utilities Cost:	\$2,453,000	TIP Unit
Total Project Cost:	\$24,595,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$24,595,000</b>	