



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H142149

Mode: Highway

Status: Submitted

NC-150

From/Cross Street: SR-2399 (Wiggins Rd)

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$930,000

Description:

Realign and signalize. Entered project as adding turn lanes since there's no option for "realign & signalize".

Division(s): Division 12

County(s): IREDELL

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, Mapbox, 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: 56.37

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 50.36	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 50.00		
[Travel Time] Benefit/Cost (25%) 26.60		
Accessibility / Connectivity (10%) 21.30		
Totals: Weight: 70% Weighted Score: 26.37		

Division Needs Total Score: 20.39

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 50.36	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 50.00		
[Travel Time] Benefit/Cost (20%) 26.60		
Totals: Weight: 50% Weighted Score: 20.39		

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:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	21909.44
Capacity:	31599.51
Volume/Capacity Ratio:	0.69
% Autos:	93%
% Trucks:	7%
Truck Volume:	1504.45
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	33.3
Severity Index:	66.7
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	68
Actual Congested Speed:	22.42
Travel Time Index:	2.01

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):	1093000
Travel Time Savings for 30 Years (Autos):	1017947.45
Travel Time Savings for 30 Years (Trucks):	75052.55
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:	Mooresville CTP (Amendment) recommends widening NC 150 to 4-lane divided; intersection would be modified as part of the widening
CTP/LRTP Completion Year:	2014
Submitted by:	Division 12

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership

Division

Division	Percent	Regional Impact	Division Needs
Division 12	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$750,000	Cost Estimation Tool
Right-of-Way Cost:	\$180,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$930,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$930,000	