



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141906

Mode: Highway

Status: Submitted

NC-7

From/Cross Street: US-74 , US-29

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#: in U-3608

Fully Funded in Draft STIP? No

Cost to NCDOT: \$465,000

Description:

Add northbound through lane and other intersection improvements as needed.

Division(s): Division 12

County(s): GASTON

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

Project Location



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: 57.83

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 36.63	Percent: 15% Points: 100	Percent: 15% Points: 0
Safety (10%) 66.70		
[Travel Time] Benefit/Cost (25%) 100.00		
Accessibility / Connectivity (10%) 20.07		
Totals: Weight: 70% Weighted Score: 42.83		

Division Needs Total Score: 34

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 36.63	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 66.70		
[Travel Time] Benefit/Cost (20%) 100.00		
Totals: Weight: 50% Weighted Score: 34		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	42
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?	Yes
Volume (AADT):	30103.26
Capacity:	73465.32
Volume/Capacity Ratio:	0.41
% Autos:	97%
% Trucks:	3%
Truck Volume:	950.1
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	66.7
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	82
Actual Congested Speed:	27.97
Travel Time Index:	1.25

Project Benefits

Project Cross-Section:	
Speed Limit:	42
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):	5837000
Travel Time Savings for 30 Years (Autos):	5652776.89
Travel Time Savings for 30 Years (Trucks):	184223.11
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:	Gaston Urban Area MPO CTP
CTP/LRTP Completion Year:	2013
Submitted by:	Division 12

* 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%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$375,000	Cost Estimation Tool
Right-of-Way Cost:	\$90,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$465,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$465,000	