



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141270

Mode: Highway

Status: Submitted

US-29 (Wilkinson Blvd.)

From/Cross Street: Market Street

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 2015 (Alberta Ave)

Project Category: Regional Impact

Length: 1.19

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$5,259,000

Description:

Widen existing four-lane bridge and cross section to six-lanes. Widen road on both sides of bridge to six-lanes.

Division(s): Division 12

County(s): GASTON

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

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
Totals: Weight: 0% Weighted Score: 0		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (25%) 0.74	Percent: 15% Points:	Percent: 15% Points:
Accessibility / Connectivity (10%) 13.80		
Congestion (V/C) (25%) 29.39		
Safety (10%) 65.28		
Totals: Weight: 70% Weighted Score: 15.44		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 29.39	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 65.28		
[Travel Time] Benefit/Cost (20%) 0.74		
Totals: Weight: 50% Weighted Score: 12.56		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	44
Length (miles):	1.19
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	17702.26
Capacity:	47600.42
Volume/Capacity Ratio:	0.37
% Autos:	96%
% Trucks:	4%
Truck Volume:	688.46
Crash Density:	71.67
Crash Severity:	52.53
Critical Crash Rate:	71.67
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	76
Actual Congested Speed:	39
Travel Time Index:	0.9

Project Benefits

Project Cross-Section:	6E - 6 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.19
Facility Type:	Arterial
Access Control:	Limited
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):	141890.65
Travel Time Savings for 30 Years (Autos):	136372.37
Travel Time Savings for 30 Years (Trucks):	5518.28
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:	Gaston-Cleveland-Lincoln MPO

* 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%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	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:	\$3,464,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,603,000	Cost Estimation Tool
Utilities Cost:	\$192,000	Cost Estimation Tool
Total Project Cost:	\$5,259,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$5,259,000	