



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H129632

Mode: Highway

Status: Submitted

(New Route - Garden Parkway (Toll))

From/Cross Street: I-485

Specific Improvement Type: 5 - Construct Roadway on New Location

To: I-85

Project Category: Statewide Mobility

Length: 21.65

TIP#: U-3321

Fully Funded in Draft STIP? No

Cost to NCDOT: \$318,320,000

Description:

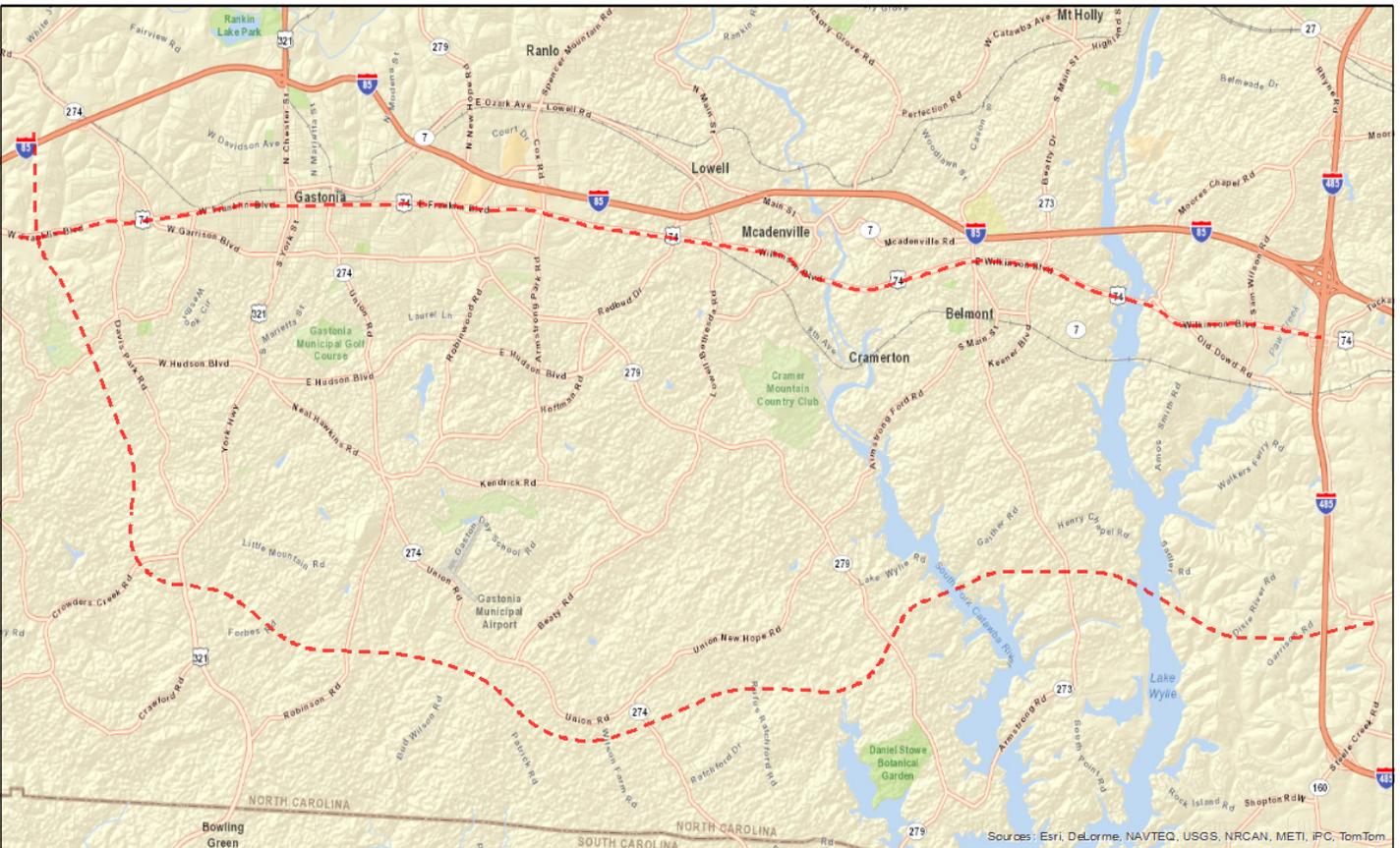
Construct Freeway on New Location

Division(s): Division 12, Division 10

County(s): GASTON, MECKLENBURG

MPOS(s)/RPO(s): Gaston-Cleveland-Lincoln MPO, Charlotte Regional Transportation Planning Organization

Project Location



Statewide Mobility Total Score: 24.01

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Economic Competitiveness (10%) 57.82 Multimodal + [Freight & Military] (20%) 13.65 Congestion (V/C) (30%) 30.09 Safety (10%) 57.41 [Travel Time] Benefit/Cost (30%) 2.45	N/A	N/A
Totals: Weight: 100% Weighted Score: 24.01		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 30.09 Safety (10%) 57.41 [Travel Time] Benefit/Cost (25%) 2.45 Accessibility / Connectivity (10%) 53.15	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 19.19		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 30.09 Safety (10%) 57.41 [Travel Time] Benefit/Cost (20%) 2.45	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 12.25		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	46
Length (miles):	15.97
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	Yes
Volume (AADT):	16929.49
Capacity:	43570.48
Volume/Capacity Ratio:	0.39
% Autos:	95%
% Trucks:	5%
Truck Volume:	787.69
Crash Density:	43.32
Crash Severity:	78.7
Critical Crash Rate:	50.21
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	82
Actual Congested Speed:	34.28
Travel Time Index:	1.28

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	65
Length (miles):	21.65
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	34722982.6
Travel Time Savings for 30 Years (Autos):	33107395.72
Travel Time Savings for 30 Years (Trucks):	1615586.88
Long-Term Employment:	371
% Change in Economy:	0.00078541
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
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	87%	0	0
Division 10	13%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Gaston-Cleveland-Lincoln MPO	87%	0	0
Charlotte Regional Transportation Planning Organization	13%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$577,427,000	TIP Unit
Right-of-Way Cost:	\$154,180,000	TIP Unit
Utilities Cost:	\$19,569,000	TIP Unit
Total Project Cost:	\$751,176,000	
Other Funding:	\$432,855,500	Toll Revenue less Roadway Maintenance & Financing
Cost to NCDOT :	\$318,320,000	