



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H129089

Mode: Highway

Status: Submitted

I-85 (I-85)

From/Cross Street: US 321

Specific Improvement Type: 8 - Improve Interchange

To:

Project Category: Statewide Mobility

Length: 2

TIP#: I-5000

Fully Funded in Draft STIP? Yes **Statewide Mobility**

Cost to NCDOT: \$20,600,000

Description:

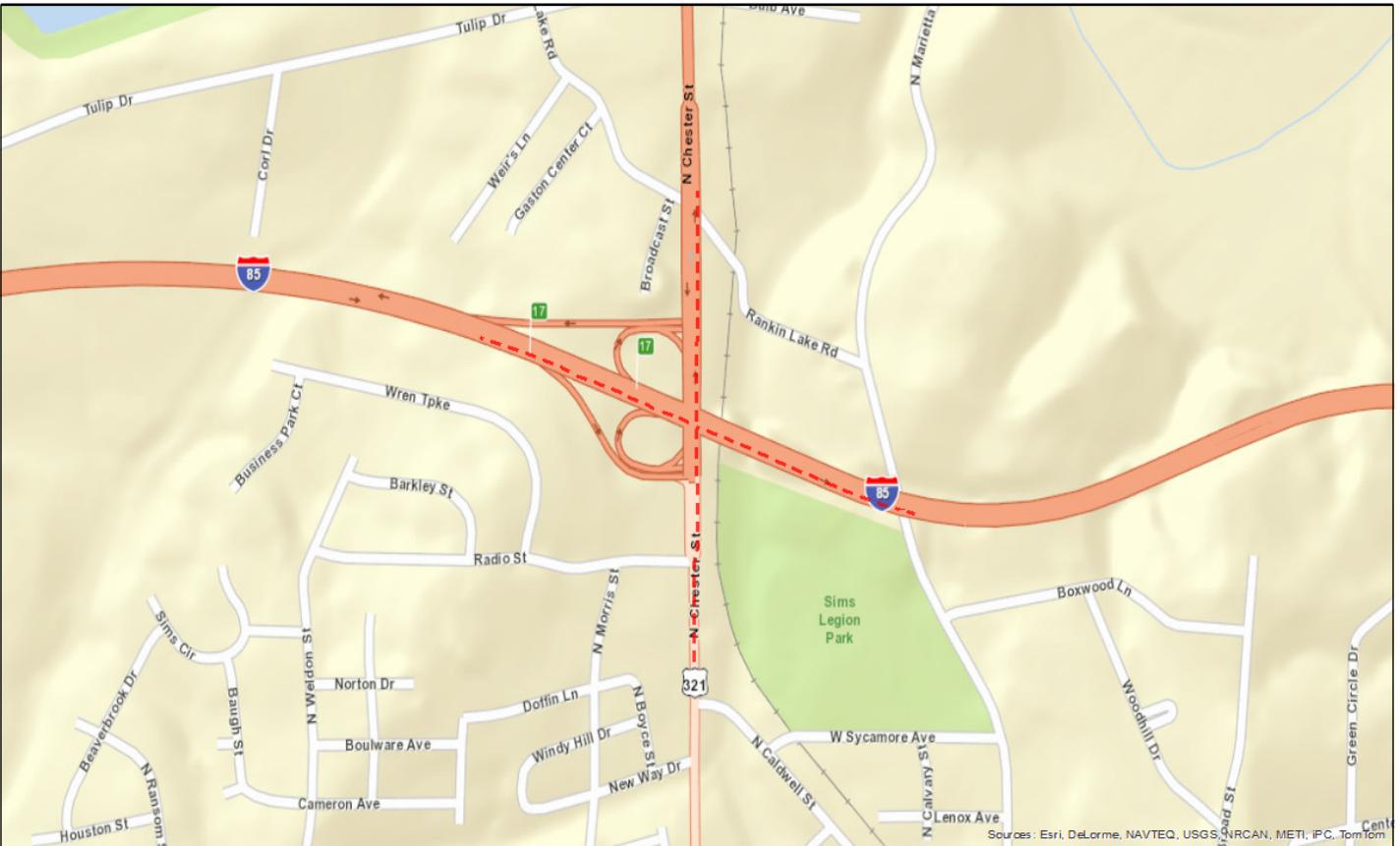
Modify interchange

Division(s): Division 12

County(s): GASTON

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

Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, ARCAN, METI, IPC, TomTom

Statewide Mobility Total Score: 60.99

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 100.00	N/A	N/A
Safety (10%) 83.35		
Economic Competitiveness (10%) 37.20		
Multimodal + [Freight & Military] (20%) 69.82		
[Travel Time] Benefit/Cost (30%) 16.56		
Totals: Weight: 100% Weighted Score: 60.99		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 100.00	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 83.35		
[Travel Time] Benefit/Cost (25%) 16.56		
Accessibility / Connectivity (10%) 81.98		
Totals: Weight: 70% Weighted Score: 45.67		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 100.00	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 83.35		
[Travel Time] Benefit/Cost (20%) 16.56		
Totals: Weight: 50% Weighted Score: 31.65		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	58
Length (miles);	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	7
Roadway has Curb & Gutter?	No
Volume (AADT):	122972.8
Capacity:	140506.86
Volume/Capacity Ratio:	0.88
% Autos:	89%
% Trucks:	11%
Truck Volume:	13963.81
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	66.7
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	91
Actual Congested Speed:	43.1
Travel Time Index:	1.39

Project Benefits

Project Cross-Section:	
Speed Limit:	60
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	14801000
Travel Time Savings for 30 Years (Autos):	13120316.57
Travel Time Savings for 30 Years (Trucks):	1680683.43
Long-Term Employment:	260
% Change in Economy:	0.00048401
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 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%	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:	\$13,300,000	TIP Unit
Right-of-Way Cost:	\$4,700,000	TIP Unit
Utilities Cost:	\$2,600,000	TIP Unit
Total Project Cost:	\$20,600,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$20,600,000	