



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H129624-C

Mode: Highway

Status: Submitted

I-840 (Greensboro Eastern Loop)

From/Cross Street: US 29 North of Greensboro

Specific Improvement Type: 5 - Construct Roadway on New Location

To: SR 2303 (Lawndale Drive)

Project Category: Statewide Mobility

Length: 7.7

TIP#: U-2525C

Fully Funded in Draft STIP? Yes Statewide Mobility

Cost to NCDOT: \$162,145,000

Description:

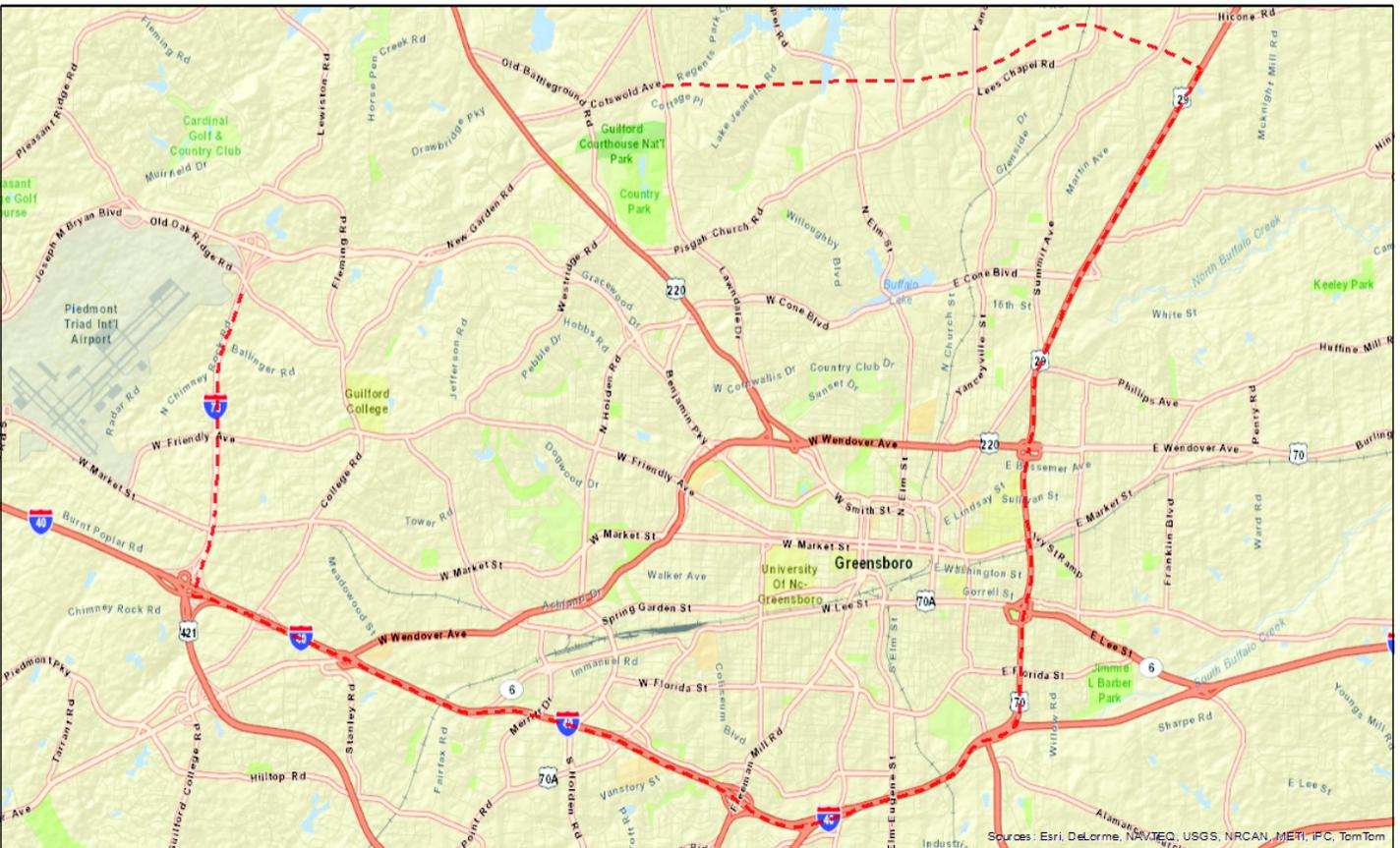
Construct Freeway on New Location.

Division(s): Division 7

County(s): GUILFORD

MPOS(s)/RPO(s): Greensboro Urban Area MPO

Project Location



Statewide Mobility Total Score: 53.56

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 71.36	N/A	N/A
Safety (10%) 60.65		
Economic Competitiveness (10%) 100.00		
Multimodal + [Freight & Military] (20%) 49.25		
[Travel Time] Benefit/Cost (30%) 20.80		
Totals: Weight: 100% Weighted Score: 53.56		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 71.36	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 60.65		
[Travel Time] Benefit/Cost (25%) 20.80		
Accessibility / Connectivity (10%) 52.55		
Totals: Weight: 70% Weighted Score: 39.1		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 20.80	Percent: 25% Points:	Percent: 25% Points:
Congestion (V/C) (20%) 71.36		
Safety (10%) 60.65		
Totals: Weight: 50% Weighted Score: 24.5		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	58
Length (miles):	23.8
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):	72824.55
Capacity:	103475.56
Volume/Capacity Ratio:	0.7
% Autos:	91%
% Trucks:	9%
Truck Volume:	6331.62
Crash Density:	58.86
Crash Severity:	73.42
Critical Crash Rate:	49.67
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	71
Actual Congested Speed:	56.19
Travel Time Index:	0.97

Project Benefits

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	65
Length (miles):	7.7
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	197758436.89
Travel Time Savings for 30 Years (Autos):	180564643.59
Travel Time Savings for 30 Years (Trucks):	17193793.3
Long-Term Employment:	6096
% Change in Economy:	0.00629645
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 7

* 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 7	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Greensboro Urban Area MPO			