



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H141859

**Mode:** Highway

**Status:** Submitted

## US-29, NC-150

**From/Cross Street:** NC 150

**Specific Improvement Type:** 8 - Improve Interchange

**To:**

**Project Category:** Statewide Mobility

**Length:** 2

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$540,000

### Description:

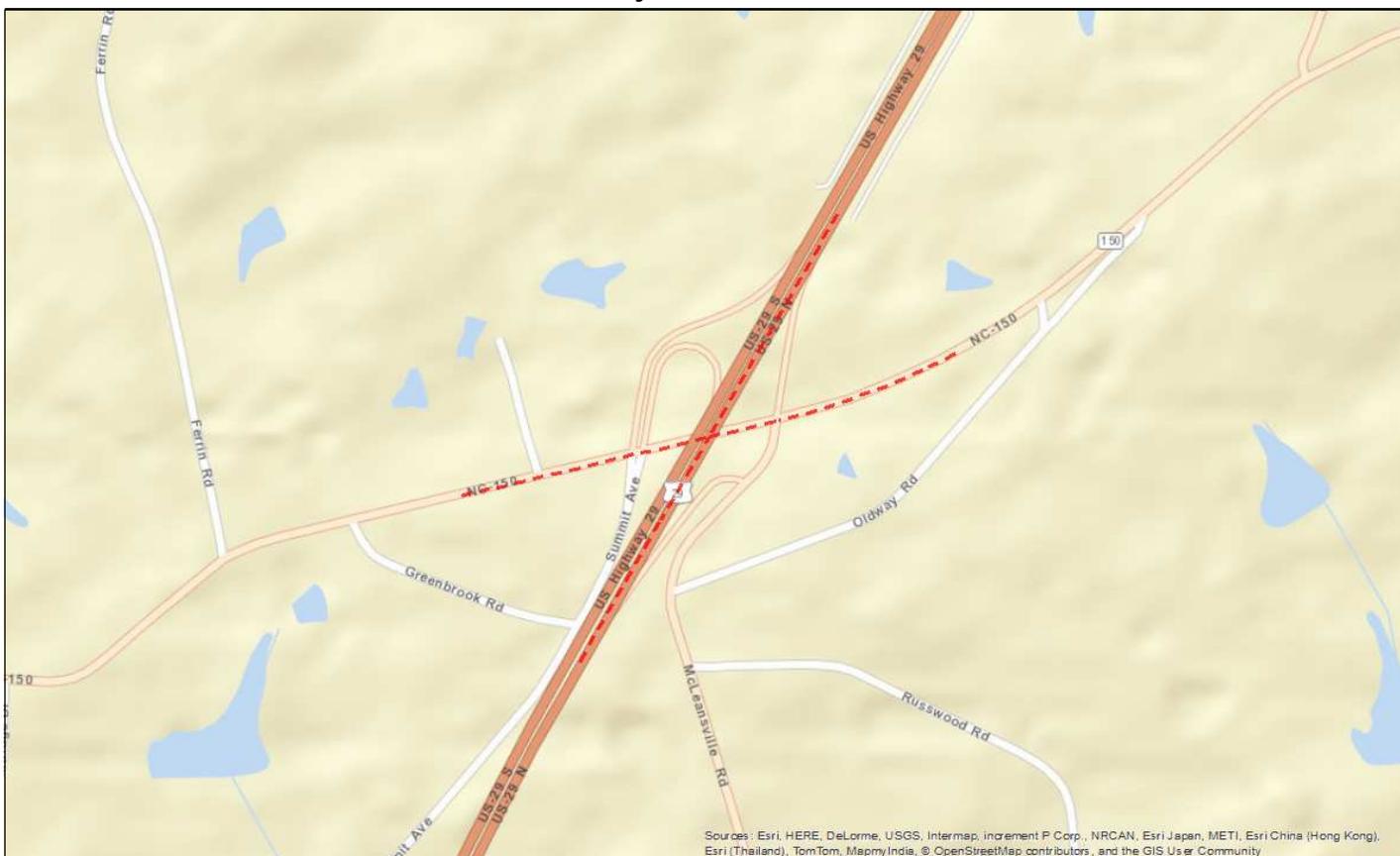
Upgrade Partial cloverleaf to diamond

**Division(s):** Division 7

**County(s):** GUILFORD

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

### Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

**Statewide Mobility Total Score: 23.72**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 36.70 Safety (10%) 66.65 Economic Competitiveness (10%) 0.21 Multimodal + [Freight & Military] (20%) 23.06 [Travel Time] Benefit/Cost (30%) 4.70	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 23.72</b>		

**Regional Impact Total Score: 50.59**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (25%) 4.70 Accessibility / Connectivity (10%) 100.00 Congestion (V/C) (25%) 36.70 Safety (10%) 66.65	Percent: 15% Points: 100	Percent: 15% Points: 100
<b>Totals: Weight: 70% Weighted Score: 20.59</b>		

**Division Needs Total Score: 14.95**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 36.70 Safety (10%) 66.65 [Travel Time] Benefit/Cost (20%) 4.70	Percent: 25% Points: 0	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 14.95</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	5
Roadway has Curb & Gutter?	No
Volume (AADT):	32582.21
Capacity:	82591.75
Volume/Capacity Ratio:	0.39
% Autos:	86%
% Trucks:	14%
Truck Volume:	4612.98
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	33.3
Severity Index:	100
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	79
Actual Congested Speed:	51.28
Travel Time Index:	0.88

**Project Benefits**

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Freeway
Access Control:	Limited
Functional Classification:	Other Principal Arterial- Other Freeway
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	109000
Travel Time Savings for 30 Years (Autos):	93567.82
Travel Time Savings for 30 Years (Trucks):	15432.18
Long-Term Employment:	1.89
% Change in Economy:	2.24E-06
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	2035 GUAMPO LRTP
CTP/LRTP Completion Year:	2014
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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 7	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Greensboro Urban Area MPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$500,000	Cost Estimation Tool
Right-of-Way Cost:	\$40,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$540,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$540,000</b>	