



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111161

Mode: Highway

Status: Submitted

I-40

From/Cross Street: NC 109, Clemmonsville Road

Specific Improvement Type: 8 - Improve Interchange

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$3,335,000

Description:

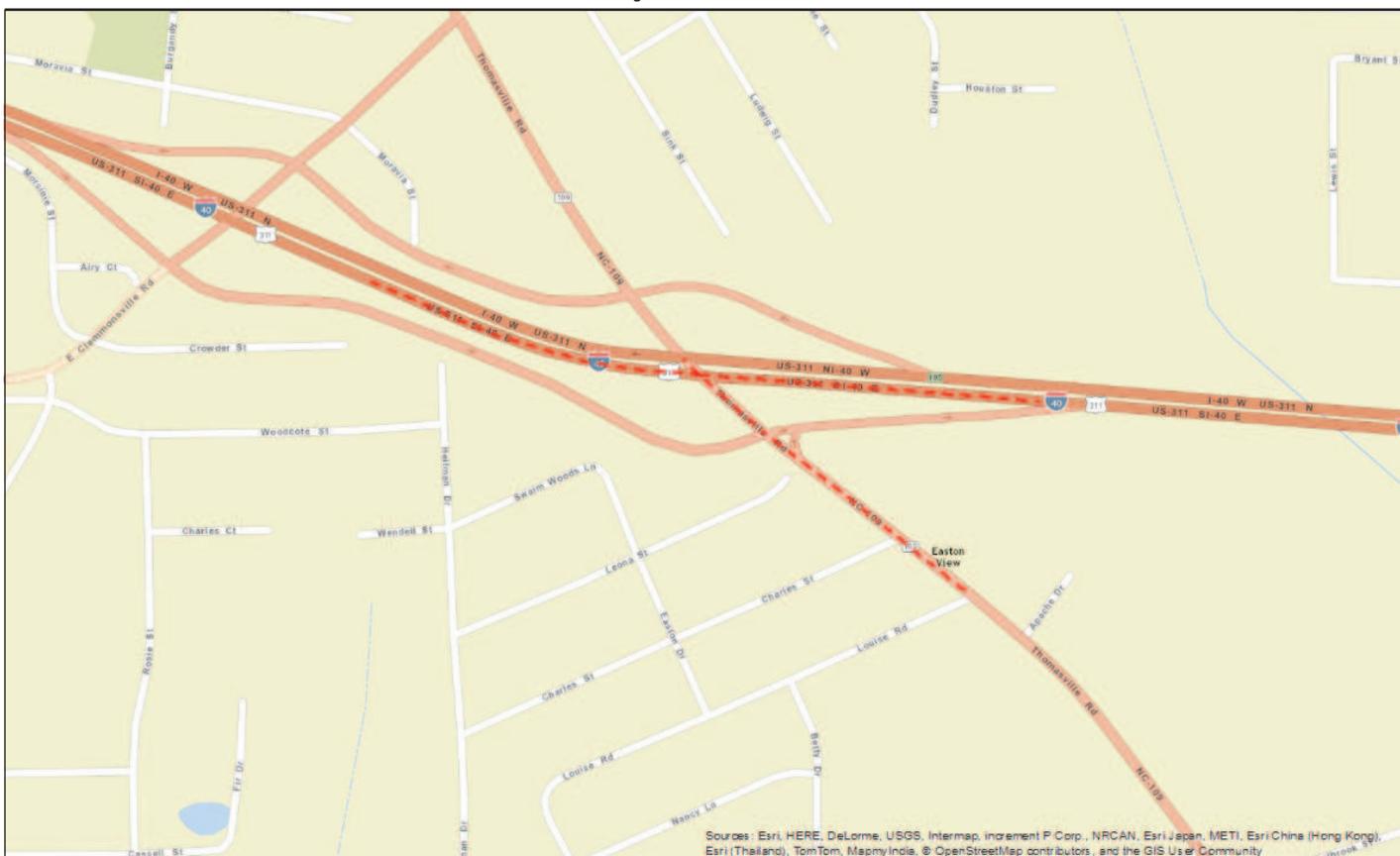
Interchange Modification--Convert Half Diamond interchange at NC 109 to Full Diamond and Remove Half Diamond interchange at Clemmonsville Road. Also Remove one-Way Service Roads Between Clemmonsville Road and NC 109

Division(s): Division 9

County(s): FORSYTH

MPOS(s)/RPO(s): Winston Salem 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: 43.4

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	94.76	N/A	N/A
Safety (10%)	50.00		
Economic Competitiveness (10%)	0.00		
Multimodal + [Freight & Military] (20%)	49.89		
[Travel Time] Benefit/Cost (30%)	0.00		
Totals: Weight: 100% Weighted Score: 43.4			

Regional Impact Total Score: 63.01

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Accessibility / Connectivity (10%)	43.24	Percent: 15% Points: 100	Percent: 15% Points: 100
Congestion (V/C) (25%)	94.76		
Safety (10%)	50.00		
[Travel Time] Benefit/Cost (25%)	0.00		
Totals: Weight: 70% Weighted Score: 33.01			

Division Needs Total Score: 23.95

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	94.76	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%)	50.00		
[Travel Time] Benefit/Cost (20%)	0.00		
Totals: Weight: 50% Weighted Score: 23.95			

Project Data *

Existing Conditions

Project Benefits

Existing Cross-Section:	
Speed Limit:	65
Length (miles);	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	123717.52
Capacity:	163977.81
Volume/Capacity Ratio:	0.75
% Autos:	92%
% Trucks:	8%
Truck Volume:	9978.02
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	68
Actual Congested Speed:	53.58
Travel Time Index:	1.21

Project Cross-Section:	
Speed Limit:	65
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):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	0
% Change in Economy:	0
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 9

* 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 9	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Winston Salem Urban Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$2,875,000	Cost Estimation Tool
Right-of-Way Cost:	\$460,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$3,335,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$3,335,000	