



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090076-A

Mode: Highway

Status: Submitted

## (New Route - Winston-Salem Northern Beltway Western Section)

From/Cross Street: US 158

Specific Improvement Type: 5 - Construct Roadway on New Location

To: South of I-40

Project Category: Regional Impact

Length: 2.06

TIP#: R-2247A

Fully Funded in Draft STIP? No

Cost to NCDOT: \$29,301,000

### Description:

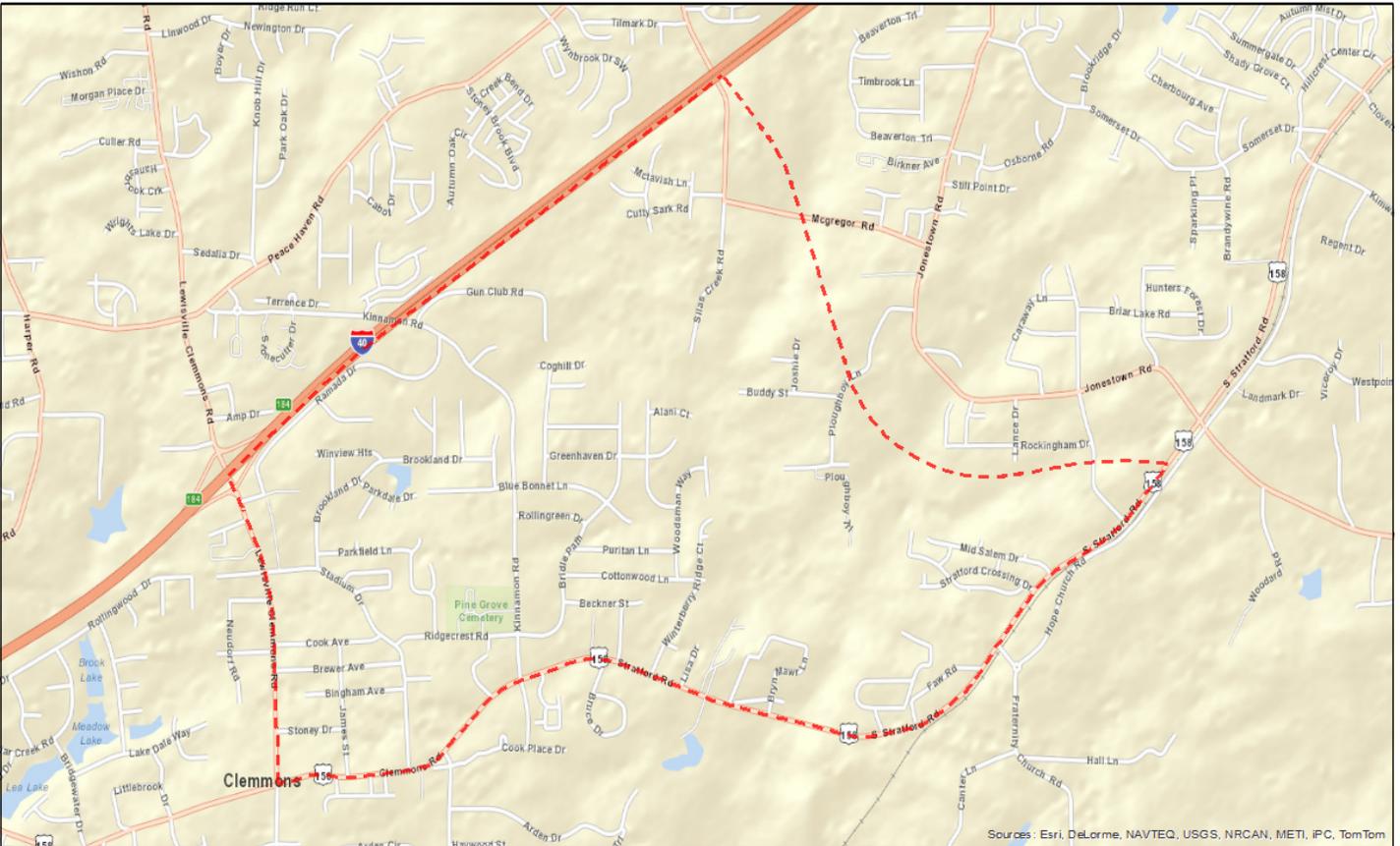
Construct Freeway on New Location (Not Eligible For Urban Loop Funding)

Division(s): Division 9

County(s): FORSYTH

MPOS(s)/RPO(s): Winston Salem Urban Area MPO

### Project Location



**Statewide Mobility Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
	N/A	N/A
<b>Totals: Weight: 0% Weighted Score: 0</b>		

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
[Travel Time] Benefit/Cost (25%) 31.40	Percent: 15% Points:	Percent: 15% Points:
Congestion (V/C) (25%) 45.07		
Safety (10%) 62.59		
Accessibility / Connectivity (10%) 72.85		
<b>Totals: Weight: 70% Weighted Score: 32.66</b>		

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 45.07	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 62.59		
[Travel Time] Benefit/Cost (20%) 31.40		
<b>Totals: Weight: 50% Weighted Score: 21.55</b>		

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

Existing Cross-Section:	
Speed Limit:	50
Length (miles);	5.7
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	Yes
Volume (AADT):	30364.13
Capacity:	55342.71
Volume/Capacity Ratio:	0.55
% Autos:	96%
% Trucks:	4%
Truck Volume:	1299.33
Crash Density:	60.91
Crash Severity:	65.89
Critical Crash Rate:	60.99
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	TWLTL
Pavement Condition Rating:	99
Actual Congested Speed:	44.81
Travel Time Index:	1.11

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	65
Length (miles):	2.06
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:	4
Travel Time Savings for 30 Years (Total):	41090913.09
Travel Time Savings for 30 Years (Autos):	39332566.32
Travel Time Savings for 30 Years (Trucks):	1758346.77
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 9	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

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

**Project Cost and Source**

Construction Cost:	\$16,872,000	TIP Unit
Right-of-Way Cost:	\$11,097,000	Cost Estimation Tool
Utilities Cost:	\$1,332,000	Cost Estimation Tool
Total Project Cost:	\$29,301,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$29,301,000</b>	