



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111220

Mode: Highway

Status: Submitted

## US-52

From/Cross Street: NC 65 (Bethania-Rural Hall Road) **Specific Improvement Type:** 8 - Improve Interchange

To: **Project Category:** Statewide Mobility

Length: 2 **TIP#:**

**Fully Funded in Draft STIP? Yes Statewide Mobility** Cost to NCDOT: \$15,660,000

### Description:

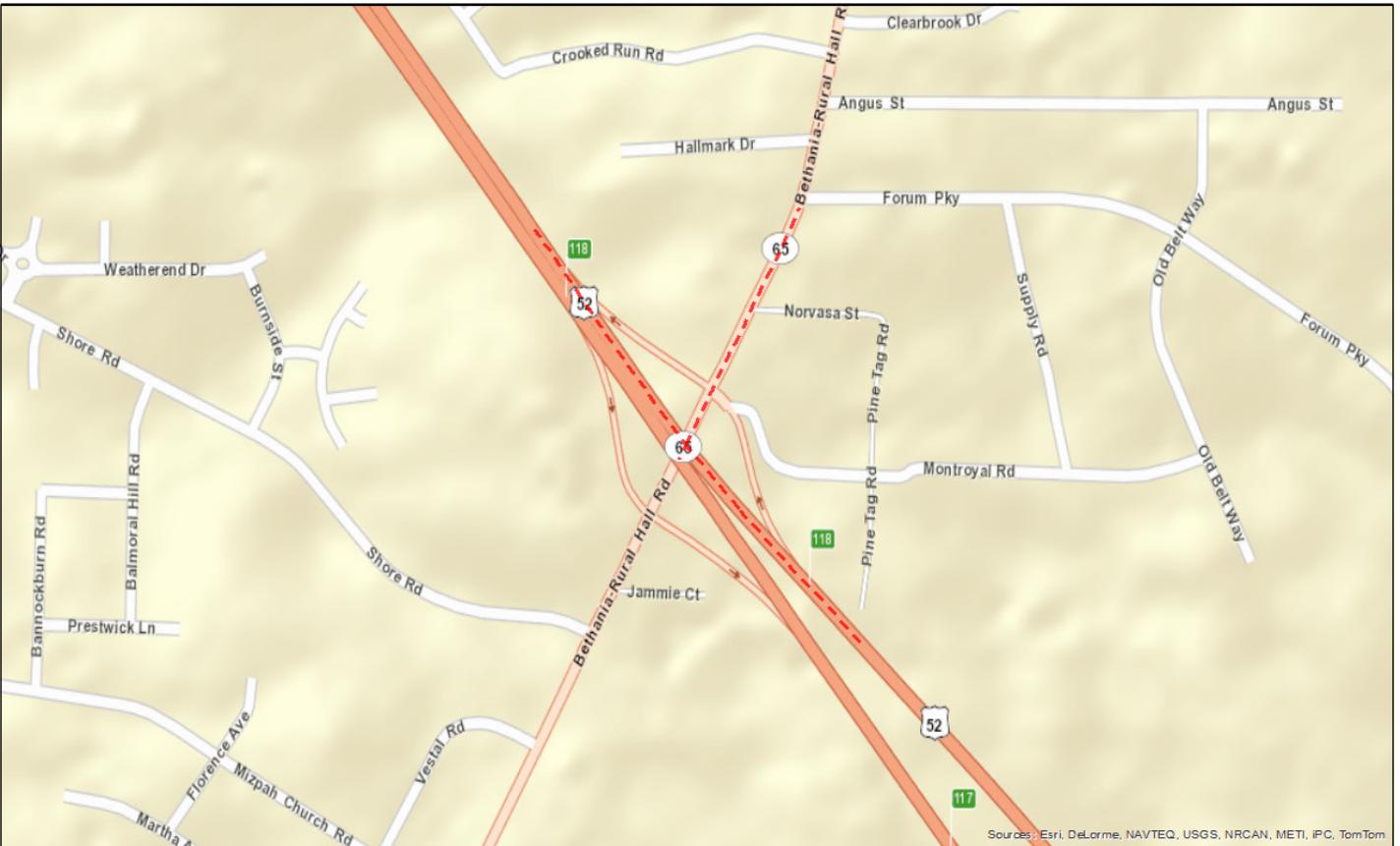
Reconstruct interchange

Division(s): Division 9

County(s): FORSYTH

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

### Project Location



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

**Statewide Mobility Total Score: 49.31**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 71.92	N/A	N/A
Safety (10%) 50.00		
Economic Competitiveness (10%) 47.28		
Multimodal + [Freight & Military] (20%) 41.37		
[Travel Time] Benefit/Cost (30%) 32.45		
<b>Totals: Weight: 100% Weighted Score: 49.31</b>		

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 71.92	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 50.00		
[Travel Time] Benefit/Cost (25%) 32.45		
Accessibility / Connectivity (10%) 36.77		
<b>Totals: Weight: 70% Weighted Score: 34.77</b>		

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (10%) 50.00	Percent: 25% Points:	Percent: 25% Points:
[Travel Time] Benefit/Cost (20%) 32.45		
Congestion (V/C) (20%) 71.92		
<b>Totals: Weight: 50% Weighted Score: 25.87</b>		

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

Existing Cross-Section:	
Speed Limit:	65
Length (miles);	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	8
Roadway has Curb & Gutter?	No
Volume (AADT):	74309.44
Capacity:	105668.93
Volume/Capacity Ratio:	0.7
% Autos:	89%
% Trucks:	11%
Truck Volume:	8273.21
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:	26
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	99
Actual Congested Speed:	46.68
Travel Time Index:	1.39

**Project Benefits**

Project Cross-Section:	
Speed Limit:	65
Length (miles):	2
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:	10
Travel Time Savings for 30 Years (Total):	22074000
Travel Time Savings for 30 Years (Autos):	19616400.08
Travel Time Savings for 30 Years (Trucks):	2457599.92
Long-Term Employment:	372
% Change in Economy:	0.00057366
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**

<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:	\$13,500,000	Cost Estimation Tool
Right-of-Way Cost:	\$2,160,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$15,660,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$15,660,000</b>	