



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090089-B

**Mode:** Highway

**Status:** Submitted

## US-52

**From/Cross Street:** SR 1634 (Grassy Island Road)

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** NC 731

**Project Category:** Statewide Mobility

**Length:** 7.3

**TIP#:** R-2320

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$66,270,000

### Description:

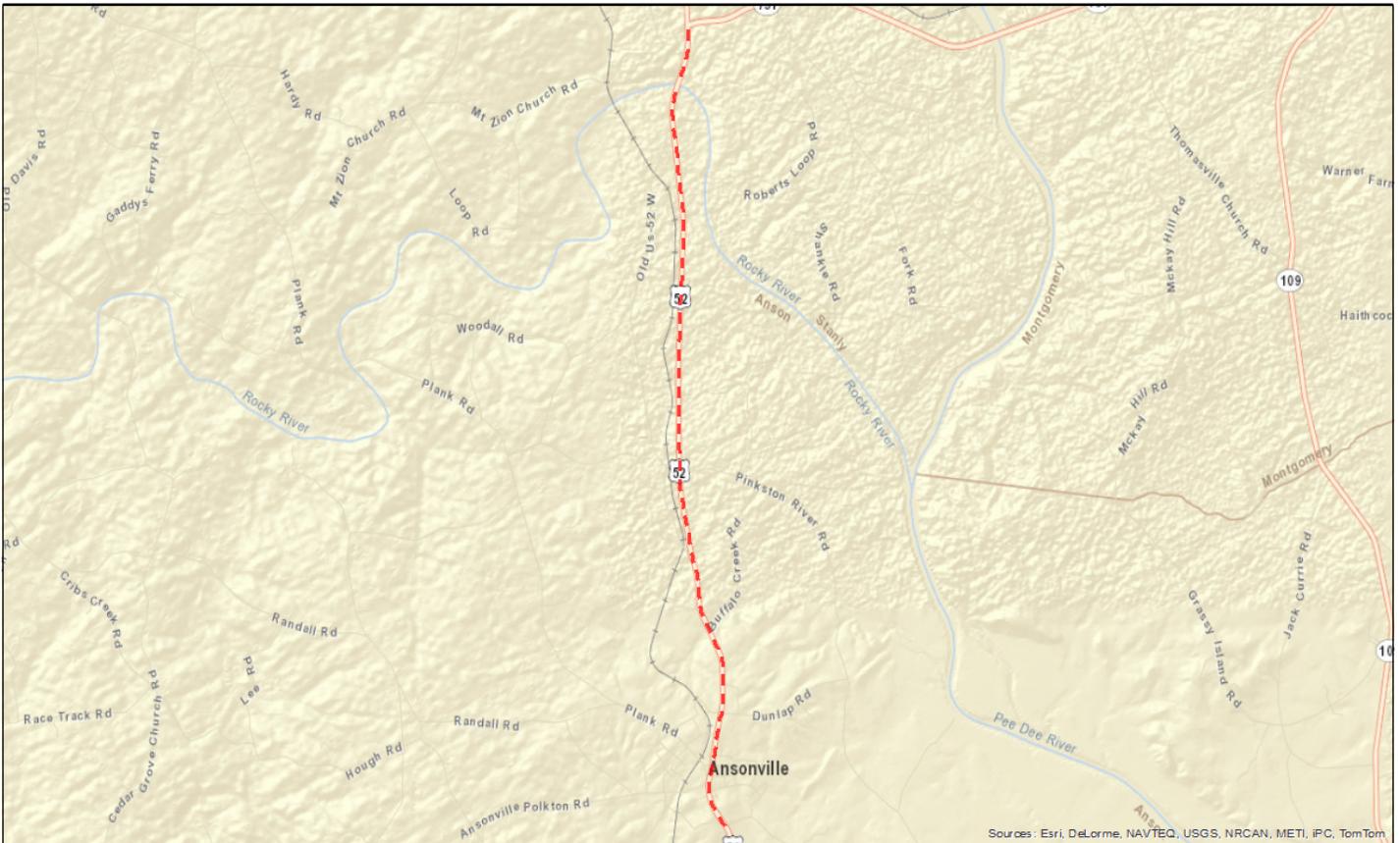
Widen to Multi-Lanes.

**Division(s):** Division 10

**County(s):** ANSON, STANLY

**MPOS(s)/RPO(s):** Rocky River RPO

### Project Location



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

**Statewide Mobility Total Score: 7.03**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 15.32 Safety (10%) 17.47 Economic Competitiveness (10%) 0.57 Multimodal + [Freight & Military] (20%) 2.91 [Travel Time] Benefit/Cost (30%) 0.15	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 7.03</b>		

**Regional Impact Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 15.32 Safety (10%) 17.47 [Travel Time] Benefit/Cost (25%) 0.15 Accessibility / Connectivity (10%) 26.80	Percent: 15% Points:	Percent: 15% Points:
<b>Totals: Weight: 70% Weighted Score: 8.29</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 17.47 [Travel Time] Benefit/Cost (20%) 0.15 Congestion (V/C) (20%) 15.32	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 4.84</b>		

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

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	7.3
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	3598.36
Capacity:	15555.5
Volume/Capacity Ratio:	0.23
% Autos:	84%
% Trucks:	16%
Truck Volume:	581.76
Crash Density:	26.53
Crash Severity:	6.19
Critical Crash Rate:	19.71
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	97
Actual Congested Speed:	54
Travel Time Index:	0.92

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	7.3
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	413532.49
Travel Time Savings for 30 Years (Autos):	346675.67
Travel Time Savings for 30 Years (Trucks):	66856.82
Long-Term Employment:	7
% Change in Economy:	4.42E-06
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 10

\* 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 10	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>
Rocky River RPO	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:	\$53,627,000	Cost Estimation Tool
Right-of-Way Cost:	\$11,288,000	Cost Estimation Tool
Utilities Cost:	\$1,355,000	Cost Estimation Tool
Total Project Cost:	\$66,270,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$66,270,000</b>	