



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090202-A

**Mode:** Highway

**Status:** Submitted

## US-52

**From/Cross Street:** Proposed Misenheimer Bypass

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

**To:** Rockwell Bypass

**Project Category:** Statewide Mobility

**Length:** 4.52

**TIP#:** R-2903

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$39,757,000

### Description:

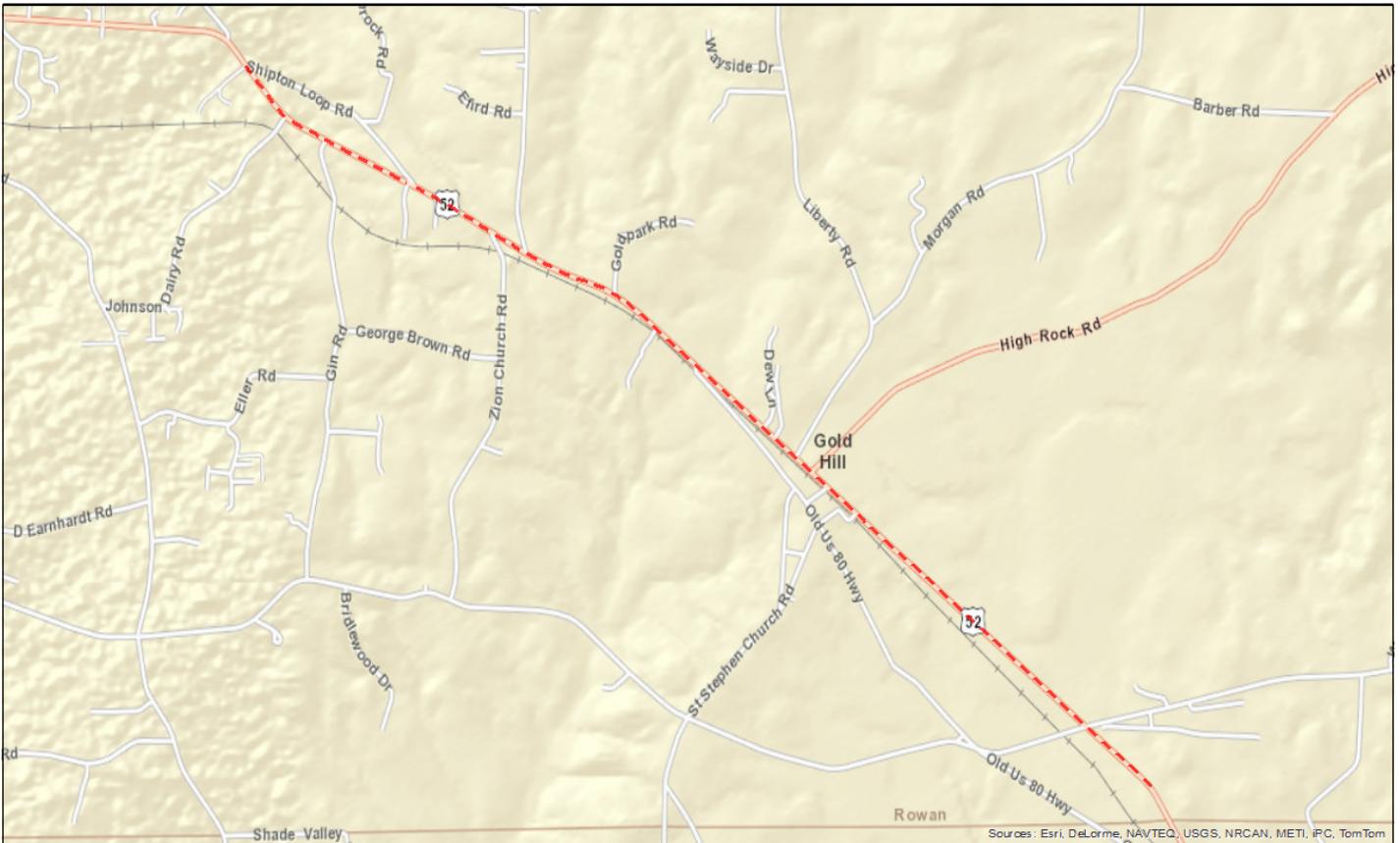
Widen to Multi-Lanes.

**Division(s):** Division 9

**County(s):** ROWAN

**MPOS(s)/RPO(s):** Cabarrus Rowan MPO

### Project Location



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

**Statewide Mobility Total Score: 17.11**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 30.74	N/A	N/A
Safety (10%) 64.66		
Economic Competitiveness (10%) 2.82		
Multimodal + [Freight & Military] (20%) 4.58		
[Travel Time] Benefit/Cost (30%) 0.76		
<b>Totals: Weight: 100% Weighted Score: 17.11</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%) 30.74	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 64.66		
[Travel Time] Benefit/Cost (25%) 0.76		
Accessibility / Connectivity (10%) 35.26		
<b>Totals: Weight: 70% Weighted Score: 17.87</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%) 30.74	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 64.66		
[Travel Time] Benefit/Cost (20%) 0.76		
<b>Totals: Weight: 50% Weighted Score: 12.77</b>		

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

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	4.52
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	7224.36
Capacity:	15565.61
Volume/Capacity Ratio:	0.46
% Autos:	87%
% Trucks:	13%
Truck Volume:	916
Crash Density:	79.25
Crash Severity:	53.83
Critical Crash Rate:	60.91
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	87
Actual Congested Speed:	45.4
Travel Time Index:	0.99

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	4.52
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:	2
Travel Time Savings for 30 Years (Total):	1311780.53
Travel Time Savings for 30 Years (Autos):	1145454.75
Travel Time Savings for 30 Years (Trucks):	166325.78
Long-Term Employment:	22
% Change in Economy:	3.45E-05
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>
Cabarrus Rowan 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:	\$28,746,000	Cost Estimation Tool
Right-of-Way Cost:	\$9,831,000	Cost Estimation Tool
Utilities Cost:	\$1,180,000	Cost Estimation Tool
Total Project Cost:	\$39,757,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$39,757,000</b>	