



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090676

**Mode:** Highway

**Status:** Submitted

## (Julian Road)

**From/Cross Street:** Jake Alexander Boulevard

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

**To:**

**Project Category:** Division Needs

**Length:** 1.26

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$11,514,000

### Description:

Widen Julian Road from 2 Lanes to 4 Lanes from Jake Alexander Boulevard to Summit Corporate Center.

**Division(s):** Division 9

**County(s):** ROWAN

**MPOS(s)/RPO(s):** Cabarrus Rowan 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: 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>
	Percent: 15% Points: 0	Percent: 15% Points: 0
<b>Totals: Weight: 0% Weighted Score: 0</b>		

**Division Needs Total Score: 68.24**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%)                      57.52	Percent: 25% Points: 100	Percent: 25% Points: 100
Safety (10%)                                      66.94		
[Travel Time] Benefit/Cost (20%)            0.20		
<b>Totals: Weight: 50% Weighted Score: 18.24</b>		

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

Existing Cross-Section:	
Speed Limit:	50
Length (miles);	1.26
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Local
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	13634.9
Capacity:	15713.68
Volume/Capacity Ratio:	0.87
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	99.83
Crash Severity:	47.01
Critical Crash Rate:	53.99
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	93
Actual Congested Speed:	33.17
Travel Time Index:	1.42

**Project Benefits**

Project Cross-Section:	4D - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.26
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Major Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	104632.72
Travel Time Savings for 30 Years (Autos):	104632.72
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
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!line tool and associated databases.

**Project Ownership**

**Division**

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

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Cabarrus Rowan MPO	100%	0	100
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$10,602,000	TIP Unit
Right-of-Way Cost:	\$814,000	Cost Estimation Tool
Utilities Cost:	\$98,000	Cost Estimation Tool
Total Project Cost:	\$11,514,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$11,514,000</b>	