



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090384-C

**Mode:** Highway

**Status:** Submitted

## (New Route - SR 1542 (Ridge Street Extension))

**From/Cross Street:** Airport Road

**Specific Improvement Type:** 5 - Construct Roadway on New Location

**To:** NC 740

**Project Category:** Division Needs

**Length:** 0.82

**TIP#:** U-3300C

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$4,233,000

### Description:

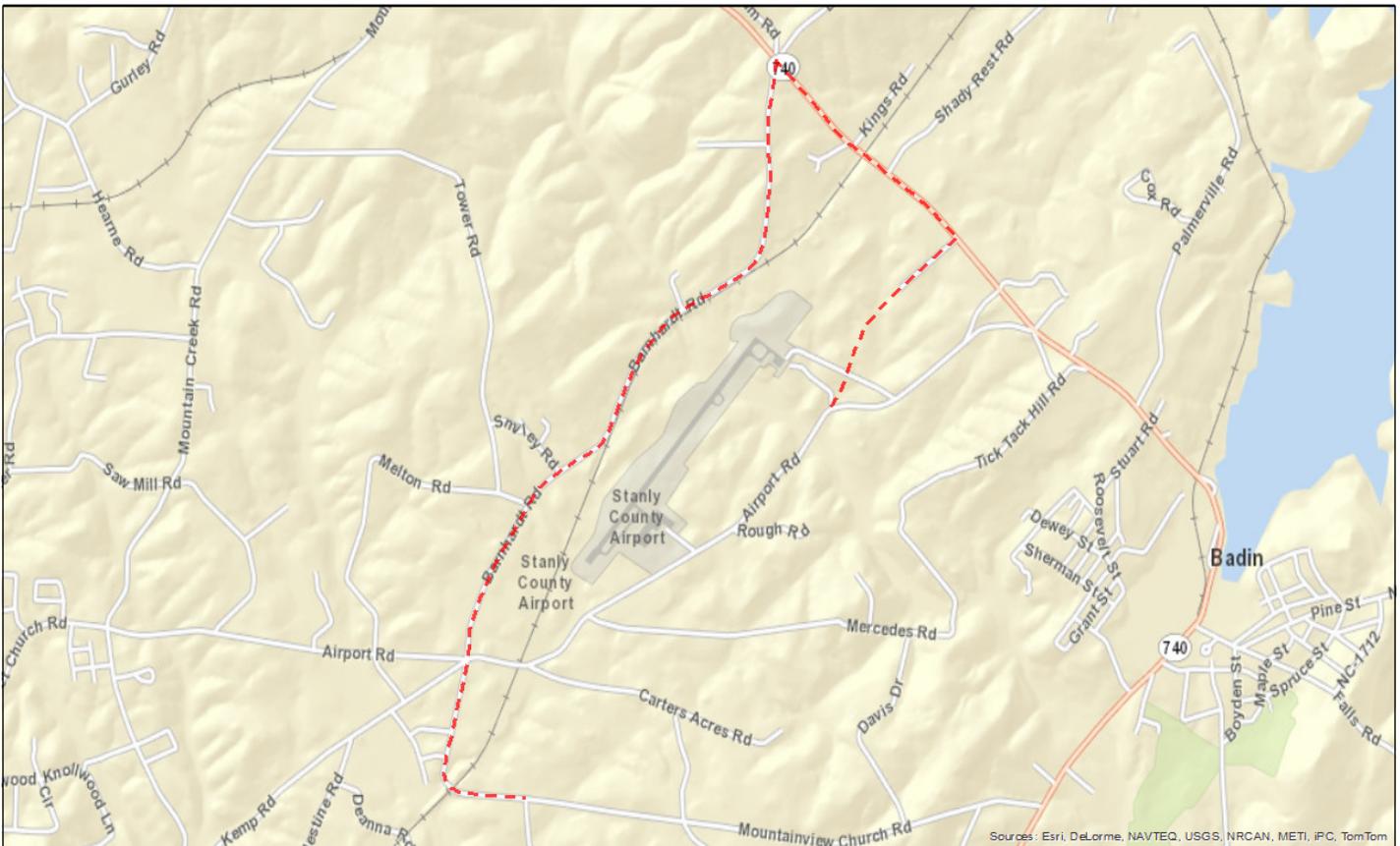
Northeast Connector (U-2400) to NC 740. Two Lanes, Some New Location. Section C: Airport Road to NC 740.

**Division(s):** Division 10

**County(s):** STANLY

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

### 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>
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
<b>Totals: Weight: 0% Weighted Score: 0</b>	Percent: 15% Points:	Percent: 15% Points:

**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%) 5.58 Safety (10%) 56.98 [Travel Time] Benefit/Cost (20%) 0.47	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 6.91</b>		

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

Existing Cross-Section:	
Speed Limit:	47
Length (miles);	1.1
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Local
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	1325.65
Capacity:	15750.9
Volume/Capacity Ratio:	0.08
% Autos:	93%
% Trucks:	7%
Truck Volume:	90.39
Crash Density:	73.75
Crash Severity:	45.65
Critical Crash Rate:	51.57
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	84
Actual Congested Speed:	0
Travel Time Index:	0

**Project Benefits**

Project Cross-Section:	2B - 2 Lane Undivided with Paved Shoulders, 25-45 mph
Speed Limit:	45
Length (miles):	0.82
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Collector
TerrainType:	Rolling
DOT Design Lane Width:	11
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	87832.35
Travel Time Savings for 30 Years (Autos):	81843.34
Travel Time Savings for 30 Years (Trucks):	5989.01
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 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:	\$3,876,000	TIP Unit
Right-of-Way Cost:	\$319,000	Cost Estimation Tool
Utilities Cost:	\$38,000	Cost Estimation Tool
Total Project Cost:	\$4,233,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$4,233,000</b>	