



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111190

Mode: Highway

Status: Submitted

## US-74

From/Cross Street: Hanover Drive

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1007 (Rocky River Road)

Project Category: Statewide Mobility

Length: 2.81

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$21,546,000

### Description:

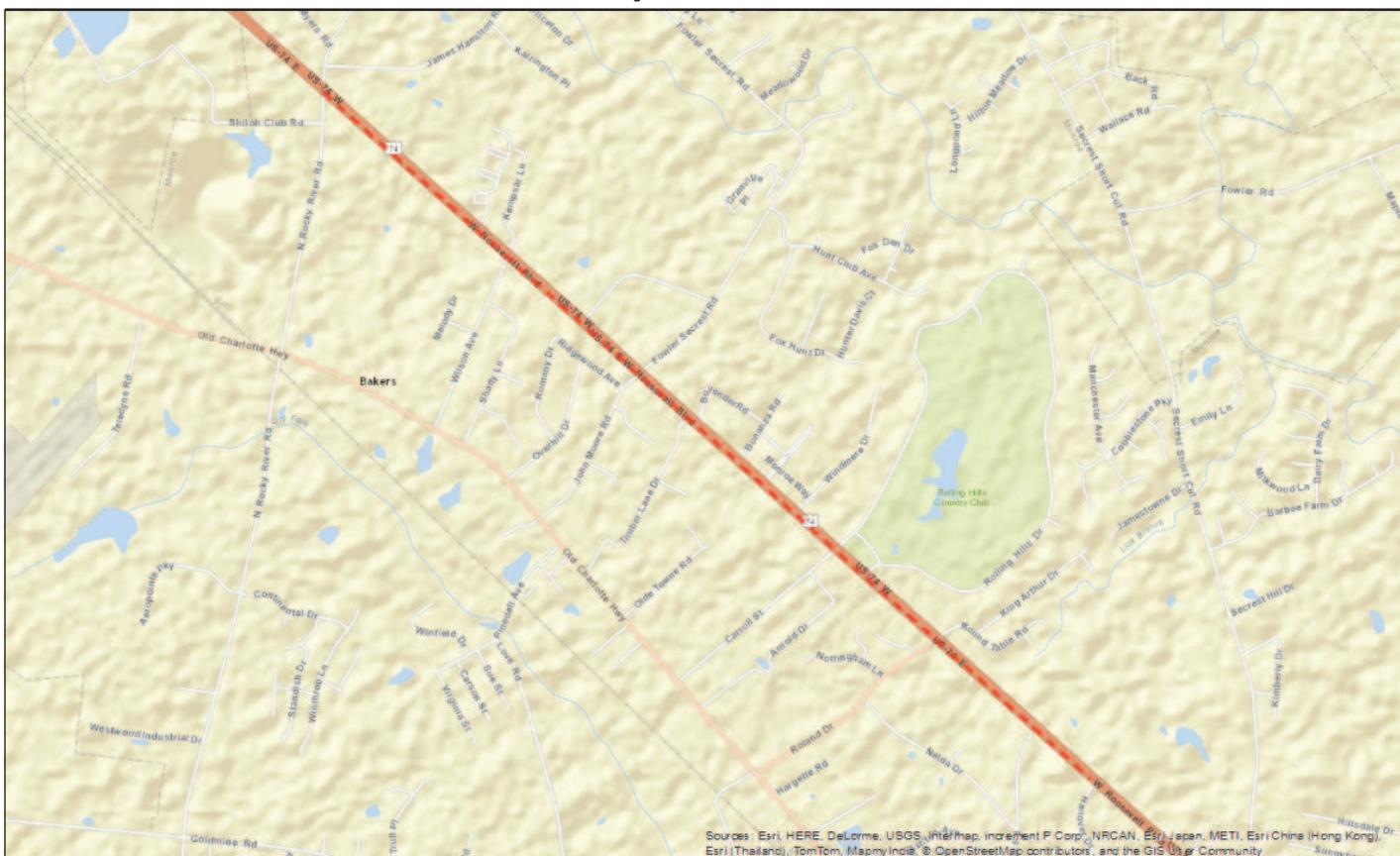
Widen to 6 Lanes with Median, Curb and Gutter, Bike Lanes and Sidewalks. Project Limit Is from Hanover Drive to Approximately the western City Limits For City of Monroe.

Division(s): Division 10

County(s): UNION

MPOS(s)/RPO(s): Charlotte Regional Transportation Planning Organization

### Project Location



**Statewide Mobility Total Score: 43.3**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (10%) 68.98	N/A	N/A
Economic Competitiveness (10%) 6.76		
Multimodal + [Freight & Military] (20%) 46.40		
[Travel Time] Benefit/Cost (30%) 5.58		
Congestion (V/C) (30%) 82.58		
<b>Totals: Weight: 100% Weighted Score: 43.3</b>		

**Regional Impact Total Score: 60.75**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 82.58	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 68.98		
[Travel Time] Benefit/Cost (25%) 5.58		
Accessibility / Connectivity (10%) 18.14		
<b>Totals: Weight: 70% Weighted Score: 30.75</b>		

**Division Needs Total Score: 24.53**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 82.58	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 68.98		
[Travel Time] Benefit/Cost (20%) 5.58		
<b>Totals: Weight: 50% Weighted Score: 24.53</b>		

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

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	2.81
Facility Type:	Arterial
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):	36408.37
Capacity:	32118.08
Volume/Capacity Ratio:	1.13
% Autos:	90%
% Trucks:	10%
Truck Volume:	3612.83
Crash Density:	70.22
Crash Severity:	66.52
Critical Crash Rate:	70.22
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	80
Actual Congested Speed:	35.99
Travel Time Index:	1.52

**Project Benefits**

Project Cross-Section:	6E - 6 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.81
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	5244214.49
Travel Time Savings for 30 Years (Autos):	4723827.78
Travel Time Savings for 30 Years (Trucks):	520386.71
Long-Term Employment:	80
% Change in Economy:	5.51E-05
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 Online tool and associated databases.

**Project Ownership**

**Division**

Division	Percent	Regional Impact	Division Needs
Division 10	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Charlotte Regional Transportation Planning Organization	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$21,546,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$21,546,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$21,546,000</b>	