



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H141897

**Mode:** Highway

**Status:** Submitted

## US-74 (Roosevelt Blvd)

**From/Cross Street:** SR-1514 (Rocky River Road)

**Specific Improvement Type:** 10 - Improve Intersection

**To:**

**Project Category:** Statewide Mobility

**Length:** 0.5

**TIP#:**

**Fully Funded in Draft STIP?** Yes **Statewide Mobility**

**Cost to NCDOT:** \$2,170,000

**Description:**

Reconfigure existing intersection to Superstreet.

**Division(s):** Division 10

**County(s):** UNION

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

### Project Location



**Statewide Mobility Total Score: 70.85**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Multimodal + [Freight & Military] (20%)	46.28	N/A	N/A
[Travel Time] Benefit/Cost (30%)	100.00		
Congestion (V/C) (30%)	75.28		
Safety (10%)	66.65		
Economic Competitiveness (10%)	23.47		
<b>Totals: Weight: 100% Weighted Score: 70.85</b>			

**Regional Impact Total Score: 0**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	75.28	Percent: 15% Points:	Percent: 15% Points:
[Travel Time] Benefit/Cost (25%)	100.00		
Safety (10%)	66.65		
Accessibility / Connectivity (10%)	100.00		
<b>Totals: Weight: 70% Weighted Score: 53.39</b>			

**Division Needs Total Score: 0**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	75.28	Percent: 25% Points:	Percent: 25% Points:
Safety (10%)	66.65		
[Travel Time] Benefit/Cost (20%)	100.00		
<b>Totals: Weight: 50% Weighted Score: 41.72</b>			

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

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	0.5
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):	45198.8
Capacity:	47410.63
Volume/Capacity Ratio:	0.95
% Autos:	90%
% Trucks:	10%
Truck Volume:	4488.99
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	33.3
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	99
Actual Congested Speed:	35.17
Travel Time Index:	1.56

**Project Benefits**

Project Cross-Section:	
Speed Limit:	55
Length (miles):	0.5
Facility Type:	Superstreet
Access Control:	None
Functional Classification:	Other Principal Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	17035000
Travel Time Savings for 30 Years (Autos):	15343141.9
Travel Time Savings for 30 Years (Trucks):	1691858.1
Long-Term Employment:	278.59
% Change in Economy:	0.00019073
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>
Charlotte Regional Transportation Planning Organization	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:	\$1,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$420,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,170,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$2,170,000</b>	