



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H140754

**Mode:** Highway

**Status:** Submitted

## NC-200 (Lancaster Hwy)

**From/Cross Street:** S. Rocky River Rd and NC 200 at Parkwood School Rd **Specific Improvement Type:** 10 - Improve Intersection

**To:** **Project Category:** Regional Impact

**Length:** 0.5 **TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$775,000

### Description:

Construct 5 leg round about (half of intersection is within CRTPO)

**Division(s):** Division 10

**County(s):** UNION

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

### Project Location



**Statewide Mobility Total Score: 0**

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

**Regional Impact Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 19.85	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 33.35		
[Travel Time] Benefit/Cost (25%) 28.92		
Accessibility / Connectivity (10%) 26.83		
<b>Totals: Weight: 70% Weighted Score: 18.21</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 19.85	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 33.35		
[Travel Time] Benefit/Cost (20%) 28.92		
<b>Totals: Weight: 50% Weighted Score: 13.09</b>		

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

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	0.5
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	8499.76
Capacity:	31000
Volume/Capacity Ratio:	0.27
% Autos:	93%
% Trucks:	7%
Truck Volume:	611.56
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	32
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	69
Actual Congested Speed:	45.5
Travel Time Index:	1.21

**Project Benefits**

Project Cross-Section:	
Speed Limit:	55
Length (miles):	0.5
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	989000
Travel Time Savings for 30 Years (Autos):	917840.68
Travel Time Savings for 30 Years (Trucks):	71159.32
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:	Rocky River RPO

\* 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**

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

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Rocky River RPO	55%	0	0
Charlotte Regional Transportation Planning Organization	45%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$625,000	Cost Estimation Tool
Right-of-Way Cost:	\$150,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$775,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$775,000</b>	