



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090455-C

**Mode:** Highway

**Status:** Submitted

## US-601

**From/Cross Street:** Existing US 74

**Specific Improvement Type:** 8 - Improve Interchange

**To:**

**Project Category:** Statewide Mobility

**Length:** 2

**TIP#:** U-4024C

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

**Cost to NCDOT:** \$2,175,000

### Description:

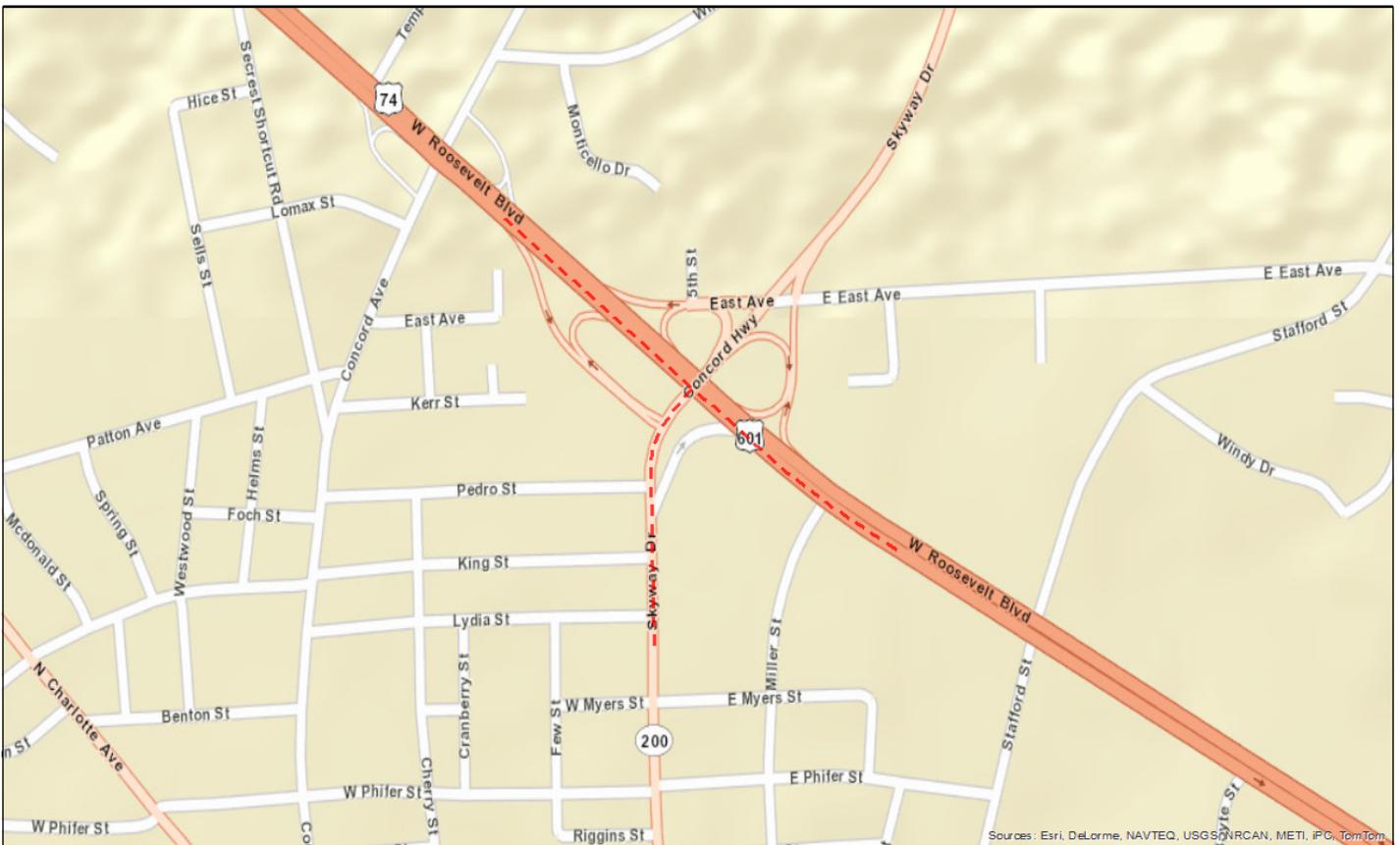
Improve the Existing US 74-US 601 interchange.

**Division(s):** Division 10

**County(s):** UNION

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

### Project Location



**Statewide Mobility Total Score: 69.81**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	85.93	N/A	N/A
Safety (10%)	83.35		
Economic Competitiveness (10%)	9.83		
Multimodal + [Freight & Military] (20%)	61.62		
[Travel Time] Benefit/Cost (30%)	74.63		
<b>Totals: Weight: 100% Weighted Score: 69.81</b>			

**Regional Impact Total Score: 0**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	85.93	Percent: 15% Points:	Percent: 15% Points:
Safety (10%)	83.35		
[Travel Time] Benefit/Cost (25%)	74.63		
Accessibility / Connectivity (10%)	33.77		
<b>Totals: Weight: 70% Weighted Score: 51.85</b>			

**Division Needs Total Score: 0**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	85.93	Percent: 25% Points:	Percent: 25% Points:
Safety (10%)	83.35		
[Travel Time] Benefit/Cost (20%)	74.63		
<b>Totals: Weight: 50% Weighted Score: 40.45</b>			

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

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	2
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	77323.73
Capacity:	84344.79
Volume/Capacity Ratio:	0.92
% Autos:	90%
% Trucks:	10%
Truck Volume:	7739.96
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	66.7
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	65
Actual Congested Speed:	34.2
Travel Time Index:	1.32

**Project Benefits**

Project Cross-Section:	
Speed Limit:	45
Length (miles):	2
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	7083000
Travel Time Savings for 30 Years (Autos):	6374005.06
Travel Time Savings for 30 Years (Trucks):	708994.94
Long-Term Employment:	116.82
% Change in Economy:	7.98E-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 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:	\$1,875,000	Cost Estimation Tool
Right-of-Way Cost:	\$300,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,175,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$2,175,000</b>	