



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090211

Mode: Highway

Status: Submitted

## (New Route - Mocksville Bypass)

From/Cross Street: US 64 East of Mocksville

Specific Improvement Type: 5 - Construct Roadway on New Location

To: US 601 West of Mocksville

Project Category: Regional Impact

Length: 5.85

TIP#: R-3111

Fully Funded in Draft STIP? No

Cost to NCDOT: \$208,579,000

### Description:

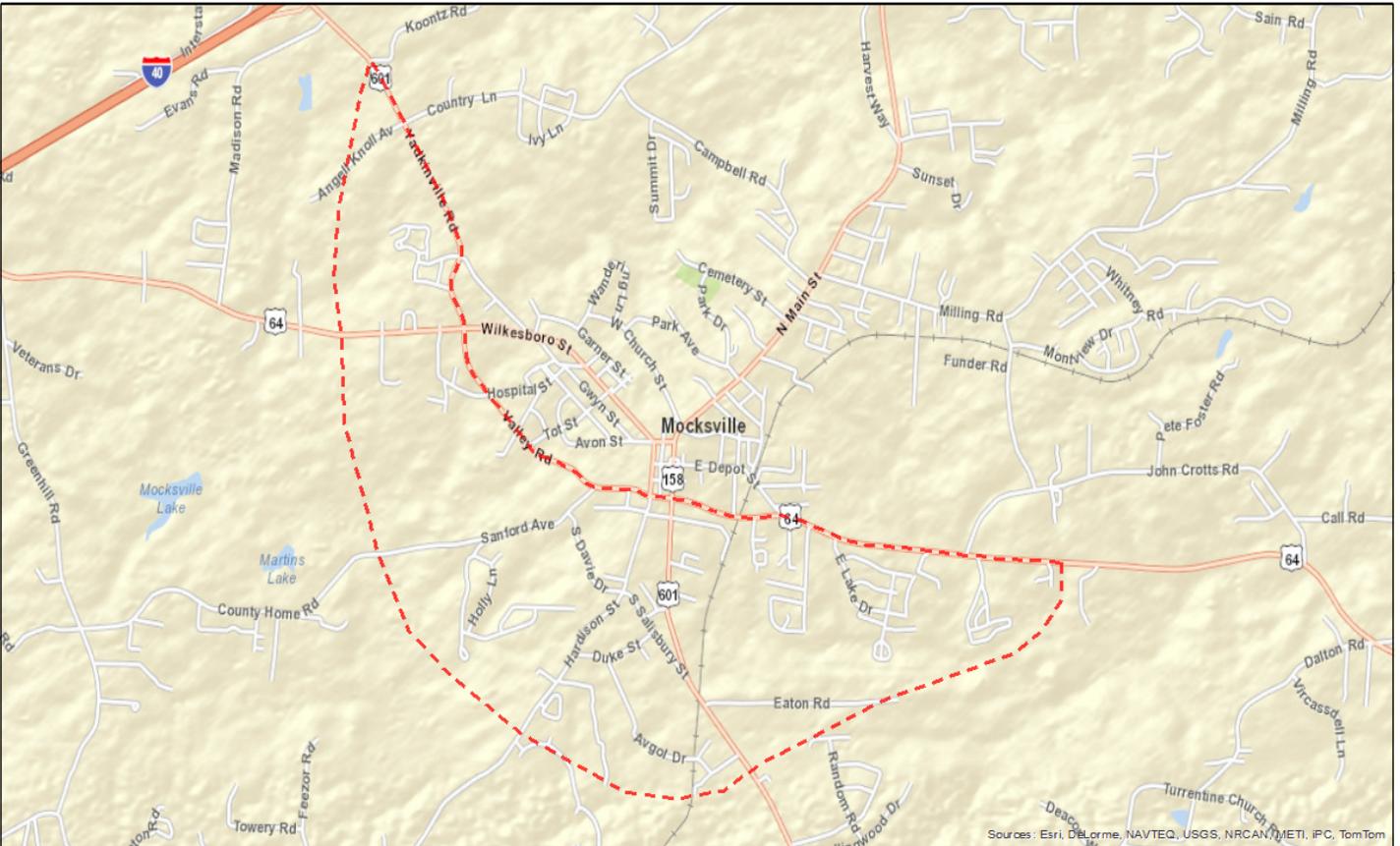
US 64 East of Mocksville to US 601 West of Mocksville. Four-Lane Bypass of Mocksville on Four Lane Right of Way, New Location. (includes R-3326)

Division(s): Division 9

County(s): DAVIE

MPOS(s)/RPO(s): Northwest Piedmont RPO

### Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

**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>
Congestion (V/C) (25%) 27.73	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 65.52		
[Travel Time] Benefit/Cost (25%) 0.50		
Accessibility / Connectivity (10%) 38.84		
<b>Totals: Weight: 70% Weighted Score: 17.49</b>		

**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%) 27.73	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 65.52		
[Travel Time] Benefit/Cost (20%) 0.50		
<b>Totals: Weight: 50% Weighted Score: 12.2</b>		

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

Existing Cross-Section:	
Speed Limit:	46
Length (miles):	4.2
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	11565.77
Capacity:	30039.78
Volume/Capacity Ratio:	0.39
% Autos:	89%
% Trucks:	11%
Truck Volume:	1241.72
Crash Density:	70.61
Crash Severity:	70.89
Critical Crash Rate:	55.07
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	98
Actual Congested Speed:	38.37
Travel Time Index:	1.19

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	5.85
Facility Type:	Multi-Lane Highway
Access Control:	Limited
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):	4552590.44
Travel Time Savings for 30 Years (Autos):	4063818.64
Travel Time Savings for 30 Years (Trucks):	488771.8
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 9

\* 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 9	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>
Northwest Piedmont 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:	\$182,400,000	TIP Unit
Right-of-Way Cost:	\$23,374,000	Cost Estimation Tool
Utilities Cost:	\$2,805,000	Cost Estimation Tool
Total Project Cost:	\$208,579,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$208,579,000</b>	