



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H111240

**Mode:** Highway

**Status:** Submitted

## (New Route)

**From/Cross Street:** SR 1102 (Langtree Road)

**Specific Improvement Type:** 5 - Construct Roadway on New Location

**To:** Shearers Rd. (SR 1125)

**Project Category:** Division Needs

**Length:** 3.22

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$35,658,000

### Description:

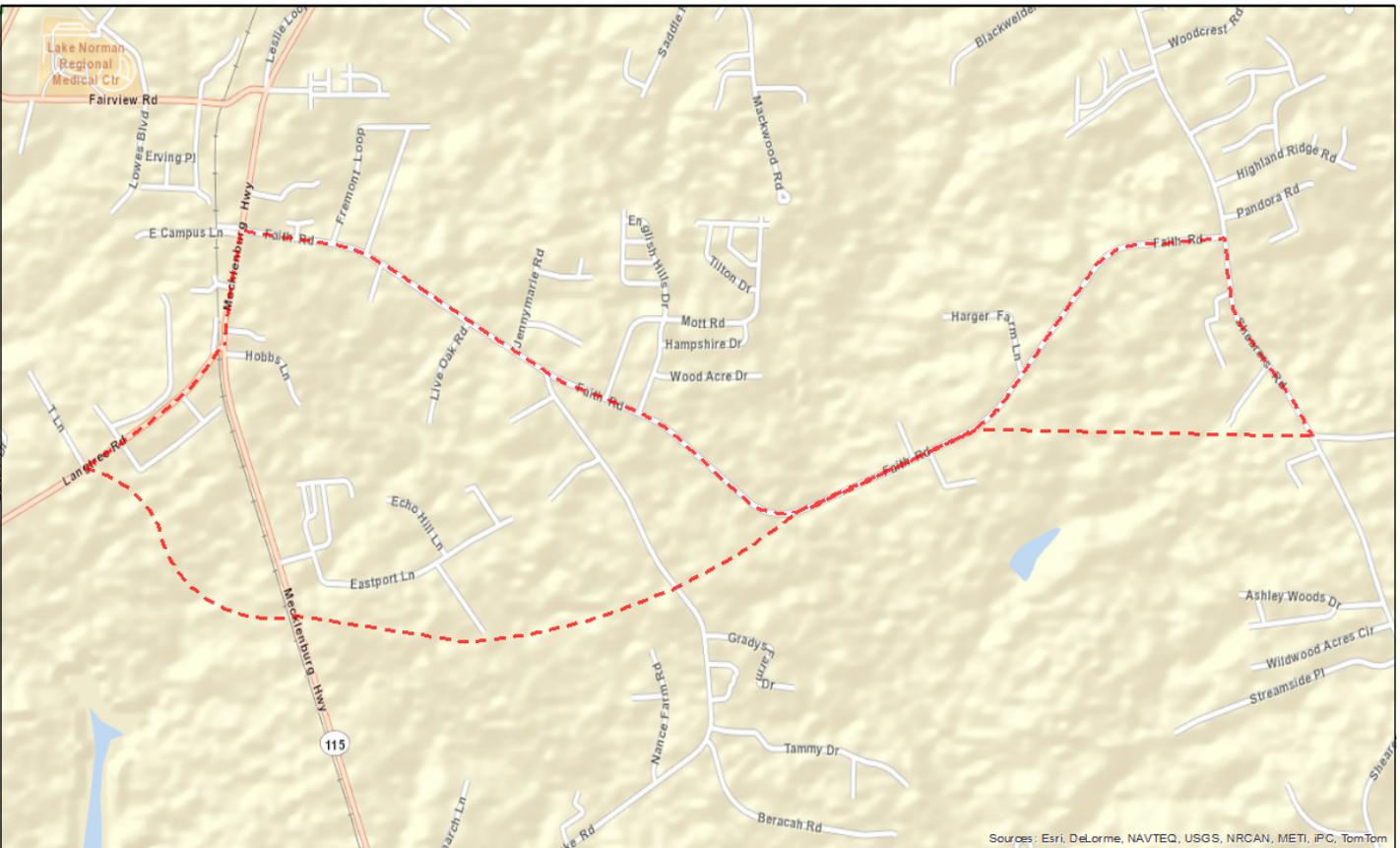
Construct Multi-Lanes on New Location

**Division(s):** Division 12

**County(s):** IREDELL

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

### Project Location



**Statewide Mobility Total Score: 0**

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

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
	Percent: 15% Points:	Percent: 15% Points:
<b>Totals: Weight: 0% Weighted Score: 0</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%)                      28.54 Safety (10%)                                      57.01 [Travel Time] Benefit/Cost (20%)            1.21	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 11.65</b>		

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

Existing Cross-Section:	
Speed Limit:	46
Length (miles):	4.1
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Local
Terrain Type:	Rolling
Lane Width:	9
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	6792.22
Capacity:	15779.7
Volume/Capacity Ratio:	0.43
% Autos:	97%
% Trucks:	3%
Truck Volume:	203.81
Crash Density:	87.57
Crash Severity:	49.2
Critical Crash Rate:	34.29
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	89
Actual Congested Speed:	2.19
Travel Time Index:	1.43

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	45
Length (miles):	3.22
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	1942916.97
Travel Time Savings for 30 Years (Autos):	1884617.7
Travel Time Savings for 30 Years (Trucks):	58299.27
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:	Division 12

\* 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 12	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
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:	\$27,018,000	TIP Unit
Right-of-Way Cost:	\$7,714,000	Cost Estimation Tool
Utilities Cost:	\$926,000	Cost Estimation Tool
Total Project Cost:	\$35,658,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$35,658,000</b>	