



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090539

Mode: Highway

Status: Submitted

## (New Route - Grace Chapel-NC 127 Connector)

From/Cross Street: SR 1751(Grace Chapel Road)

Specific Improvement Type: 6 - Widen Existing Roadway and Construct Part on New Location

To: NC 127

Project Category: Division Needs

Length: 3.57

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$11,586,000

### Description:

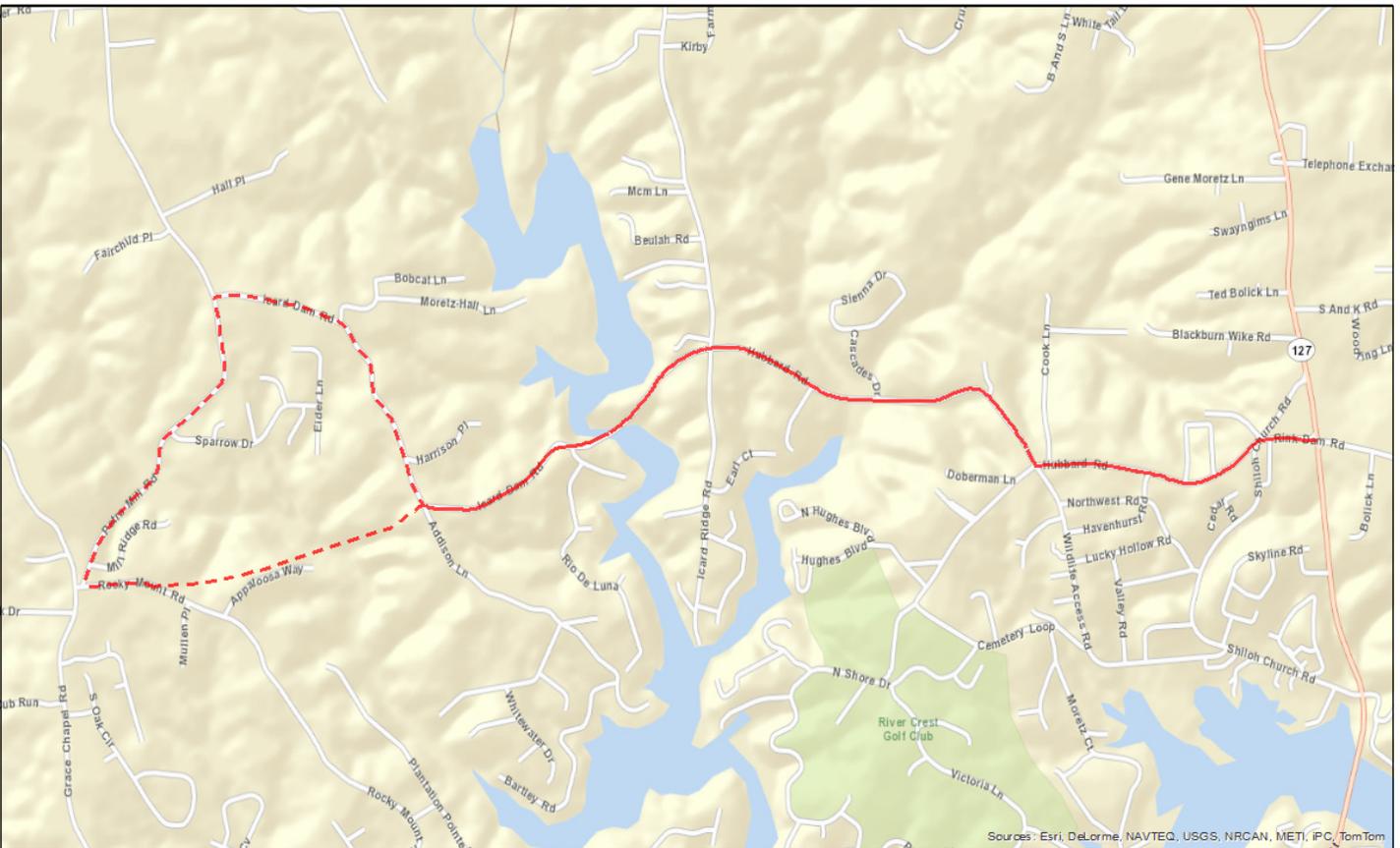
Connector Linking Grace Chapel Road (SR 1751) in Caldwell County to NC 127 in Alexander County. Some New Location and Icard Dam Road and Hubbard Road.

Division(s): Division 12, Division 11

County(s): ALEXANDER, CALDWELL

MPOS(s)/RPO(s): Greater Hickory MPO

### 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%) 9.85 Safety (10%) 80.59 [Travel Time] Benefit/Cost (20%) 0.22	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 10.07</b>		

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

Existing Cross-Section:	
Speed Limit:	53
Length (miles);	4.4
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Local
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	2334.3
Capacity:	15709.76
Volume/Capacity Ratio:	0.15
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	97.51
Crash Severity:	93.73
Critical Crash Rate:	50.54
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	90
Actual Congested Speed:	0
Travel Time Index:	0

**Project Benefits**

Project Cross-Section:	2B - 2 Lane Undivided with Paved Shoulders, 25-45 mph
Speed Limit:	45
Length (miles):	3.57
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Collector
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	115848.4
Travel Time Savings for 30 Years (Autos):	115848.4
Travel Time Savings for 30 Years (Trucks):	0
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 11

\* 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 12	59%	0	0
Division 11	41%	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>
Greater Hickory MPO	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:	\$10,602,000	TIP Unit
Right-of-Way Cost:	\$879,000	Cost Estimation Tool
Utilities Cost:	\$105,000	Cost Estimation Tool
Total Project Cost:	\$11,586,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$11,586,000</b>	