



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090647

Mode: Highway

Status: Submitted

SR-1006 (New Route - Orange Grove Road)

From/Cross Street: SR 1006 (Orange Grove Road)

Specific Improvement Type: 5 - Construct Roadway on New Location

To: US 70A

Project Category: Division Needs

Length: 0.38

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$5,299,000

Description:

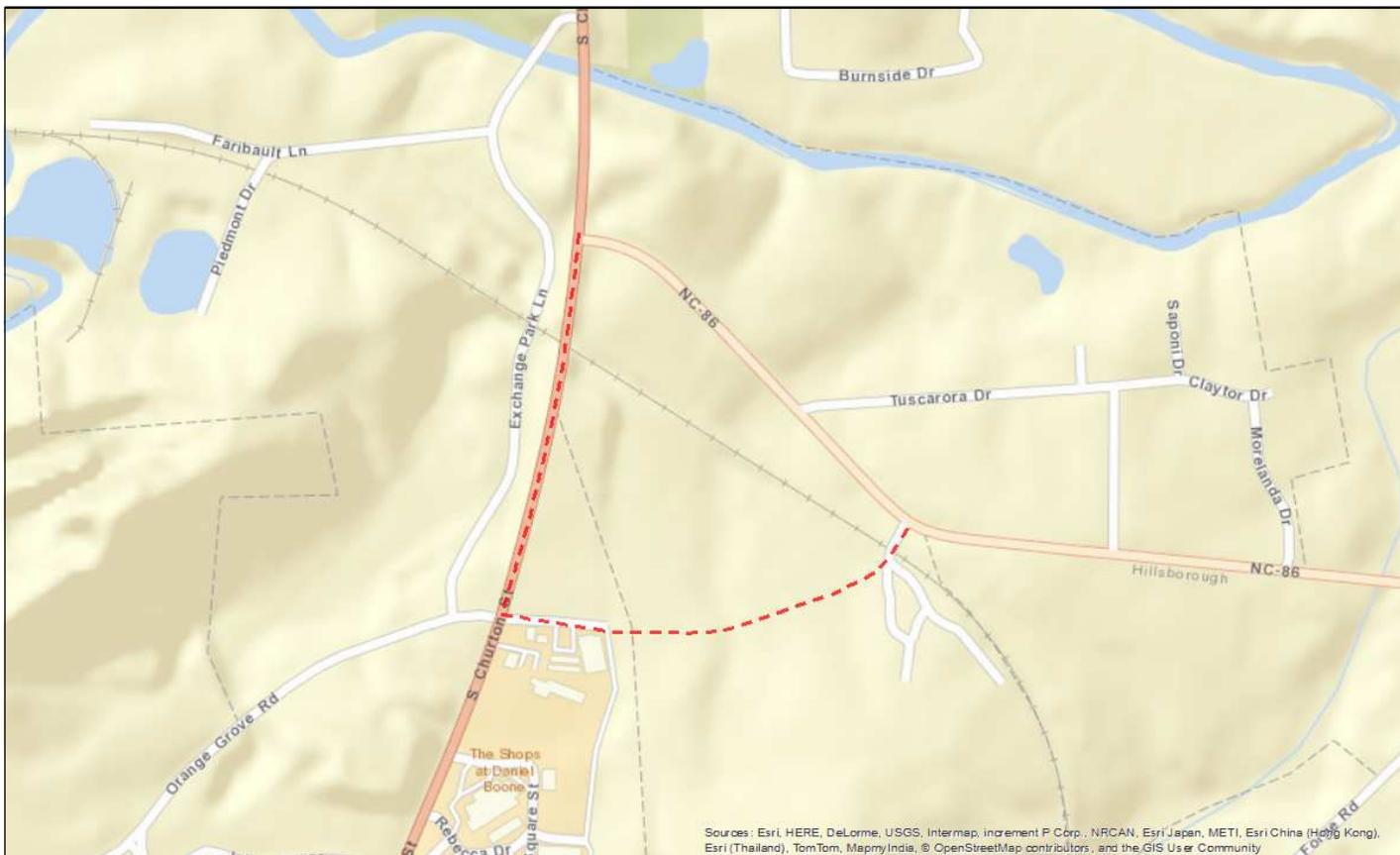
Orange Grove Road Extension (Orange Grove Road to US 70) with Sidewalks and Bicycle Lanes

Division(s): Division 7

County(s): ORANGE

MPOS(s)/RPO(s): Durham Chapel Hill Carrboro MPO

Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Statewide Mobility Total Score: 0

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

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	Percent: 15% Points: 0	Percent: 15% Points: 0
Totals: Weight: 0% Weighted Score: 0		

Division Needs Total Score: 68.67

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 71.36	Percent: 25% Points: 90	Percent: 25% Points: 90
Safety (10%) 66.66		
[Travel Time] Benefit/Cost (20%) 13.67		
Totals: Weight: 50% Weighted Score: 23.67		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	43
Length (miles):	0.7
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):	17000
Capacity:	15800
Volume/Capacity Ratio:	1.08
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	100
Crash Severity:	66.7
Critical Crash Rate:	33.3
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:	56
Actual Congested Speed:	29
Travel Time Index:	1.48

Project Benefits

Project Cross-Section:	2E - 2 Lane Undivided with Curb & Gutter, Bike Lanes, and Sidewalks
Speed Limit:	35
Length (miles):	0.38
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	3293001
Travel Time Savings for 30 Years (Autos):	3293001
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 7

* 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 7	100%	0	90
	0%	0	0
	0%	0	0
TOTAL Division Points		0	90

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Durham Chapel Hill Carrboro MPO	100%	0	90
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	90

Project Cost and Source

Construction Cost:	\$4,104,000	TIP Unit
Right-of-Way Cost:	\$1,067,000	Cost Estimation Tool
Utilities Cost:	\$128,000	Cost Estimation Tool
Total Project Cost:	\$5,299,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$5,299,000	