



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090714

**Mode:** Highway

**Status:** Submitted

## (New Route - Scientific Park Drive Extension)

**From/Cross Street:** 23rd Street

**Specific Improvement Type:** 3 - Upgrade Expressway to Freeway

**To:** Creekwood Neighborhood

**Project Category:** Statewide Mobility

**Length:** 1.21

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$9,006,000

### Description:

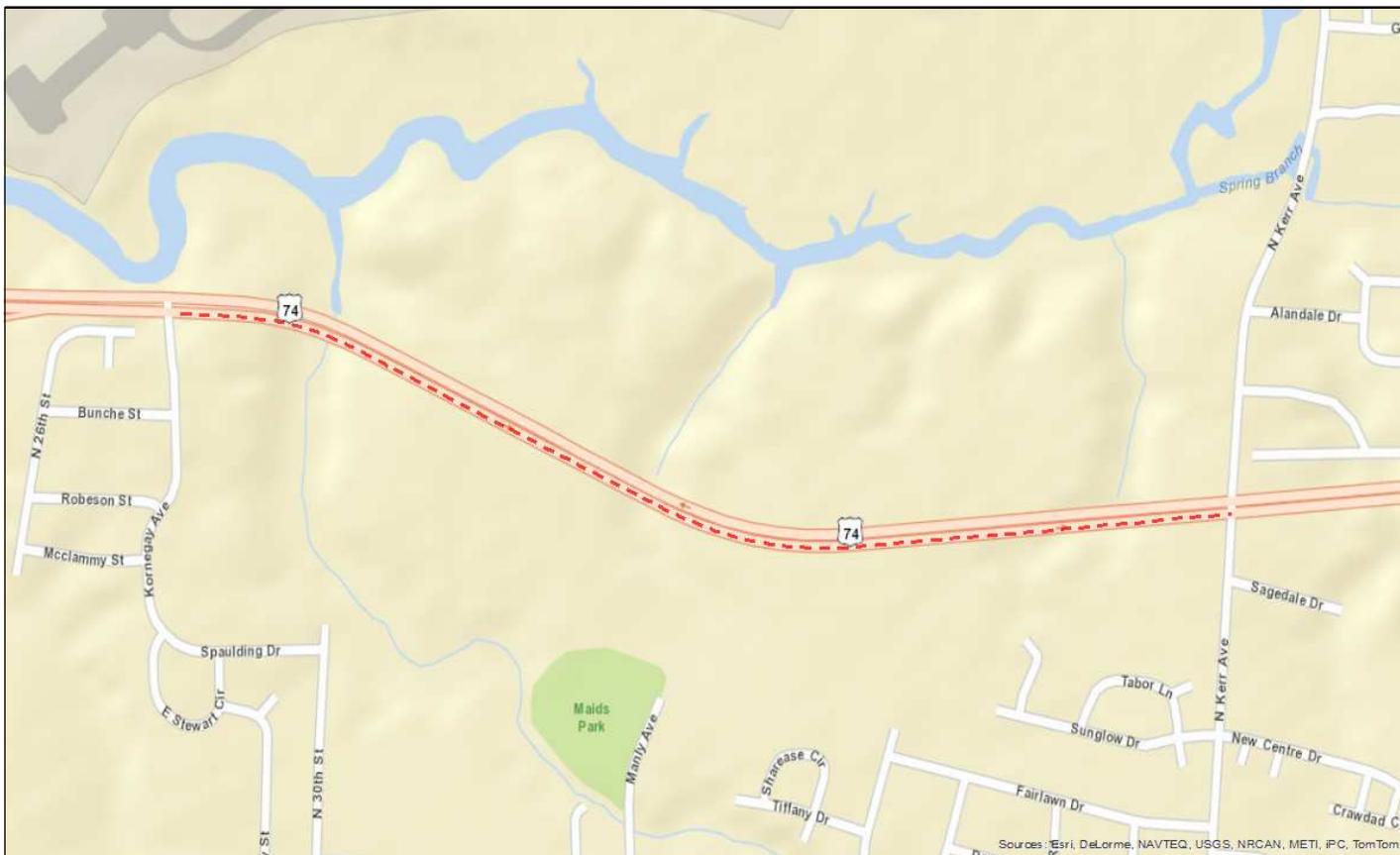
Construct the Extension of Scientific Park Drive from 23Rd Street to the Creekwood Neighborhood. This Will Allow the Closure of the only Existing Access on Martin Luther King Jr. Parkway Which Will Allow It to Become a Fully Controlled Access Facility

**Division(s):** Division 3

**County(s):** NEW HANOVER

**MPOS(s)/RPO(s):** Wilmington Urban Area MPO

### Project Location



**Statewide Mobility Total Score: 16.87**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
[Travel Time] Benefit/Cost (30%) 1.20 Congestion (V/C) (30%) 30.00 Safety (10%) 46.04 Economic Competitiveness (10%) 0.84 Multimodal + [Freight & Military] (20%) 14.10	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 16.87</b>		

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Multimodal + [Freight & Military] (25%) 14.10 [Travel Time] Benefit/Cost (20%) 1.20 Safety (25%) 46.04	Percent: 15% Points:	Percent: 15% Points:
<b>Totals: Weight: 70% Weighted Score: 15.27</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%) 30.00 Safety (20%) 46.04 Multimodal + [Freight & Military] (10%) 14.10	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 16.62</b>		

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

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	1.21
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	11
Roadway has Curb & Gutter?	No
Volume (AADT):	30000.19
Capacity:	100000.62
Volume/Capacity Ratio:	0.3
% Autos:	96%
% Trucks:	4%
Truck Volume:	1320.02
Crash Density:	32.3
Crash Severity:	73.53
Critical Crash Rate:	32.3
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	16
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	80
Actual Congested Speed:	0
Travel Time Index:	0

**Project Benefits**

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	60
Length (miles):	1.21
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	480603.23
Travel Time Savings for 30 Years (Autos):	459456.56
Travel Time Savings for 30 Years (Trucks):	21146.67
Long-Term Employment:	7
% Change in Economy:	9.76E-06
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership**

**Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 3	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>
Wilmington Urban Area 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:	\$9,006,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$9,006,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$9,006,000</b>	