



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140713

Mode: Highway

Status: Submitted

(Globe Rd Extension (Brier Creek Parkway))

From/Cross Street: Miami Blvd

Specific Improvement Type: 5 - Construct Roadway on New Location

To: Wake County line

Project Category: Division Needs

Length: 2.15

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$23,205,000

Description:

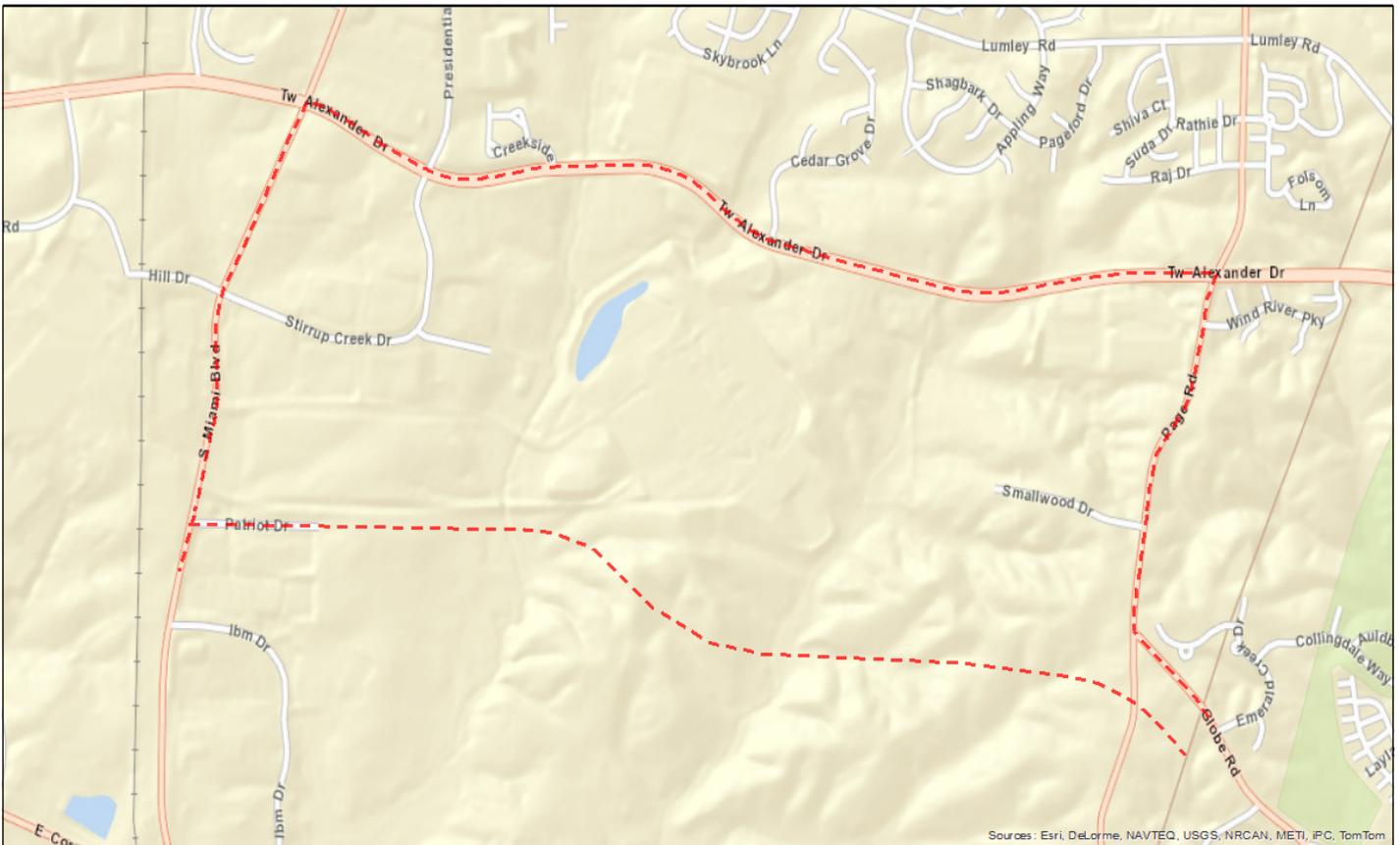
Construct roadway on new location.

Division(s): Division 5

County(s): DURHAM

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

Project Location



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: | Percent: 15% Points: |
| Totals: Weight: 0% Weighted Score: 0 | | |

Division Needs Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|-----------------------------------|
| Congestion (V/C) (20%) 49.11 Safety (10%) 53.74 [Travel Time] Benefit/Cost (20%) 7.59 | Percent: 25% Points: | Percent: 25% Points: |
| Totals: Weight: 50% Weighted Score: 16.71 | | |

Project Data ***Existing Conditions**

| | |
|---|-----------------|
| Existing Cross-Section: | |
| Speed Limit: | 49 |
| Length (miles): | 3.6 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Major Collector |
| Terrain Type: | Rolling |
| Lane Width: | 12 |
| Paved Shoulder Width: | 1 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 19112.9 |
| Capacity: | 27656.77 |
| Volume/Capacity Ratio: | 0.69 |
| % Autos: | 100% |
| % Trucks: | 0% |
| Truck Volume: | 0 |
| Crash Density: | 68.55 |
| Crash Severity: | 51.14 |
| Critical Crash Rate: | 41.56 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 3 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 19 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 85 |
| Actual Congested Speed: | 33.94 |
| Travel Time Index: | 1.62 |

Project Benefits

| | |
|--|---|
| Project Cross-Section: | 2J - 2 Lane Divided (23' Raised Median) with Curb & Gutter, Bike Lanes, and Sidewalks |
| Speed Limit: | 45 |
| Length (miles): | 2.15 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Minor Collector |
| Terrain Type: | Rolling |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 4 |
| Travel Time Savings for 30 Years (Total): | 8006639.74 |
| Travel Time Savings for 30 Years (Autos): | 8006639.74 |
| 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: | Durham Chapel Hill Carrboro MPO |

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

Project Ownership**Division**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|----------------|------------------------|-----------------------|
| Division 5 | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 0 | 0 |

MPO/RPO

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

Project Cost and Source

| | | |
|------------------------|---------------------|----------------------|
| Construction Cost: | \$21,190,000 | Cost Estimation Tool |
| Right-of-Way Cost: | \$1,799,000 | Cost Estimation Tool |
| Utilities Cost: | \$216,000 | Cost Estimation Tool |
| Total Project Cost: | \$23,205,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$23,205,000 | |