



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090653

Mode: Highway

Status: Submitted

SR-1721 (Lystra Road)

From/Cross Street: US 15/501

Specific Improvement Type: 16 - Modernize Roadway

To: SR 1008 (Farrington Point Road)

Project Category: Division Needs

Length: 4.55

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$11,742,000

Description:

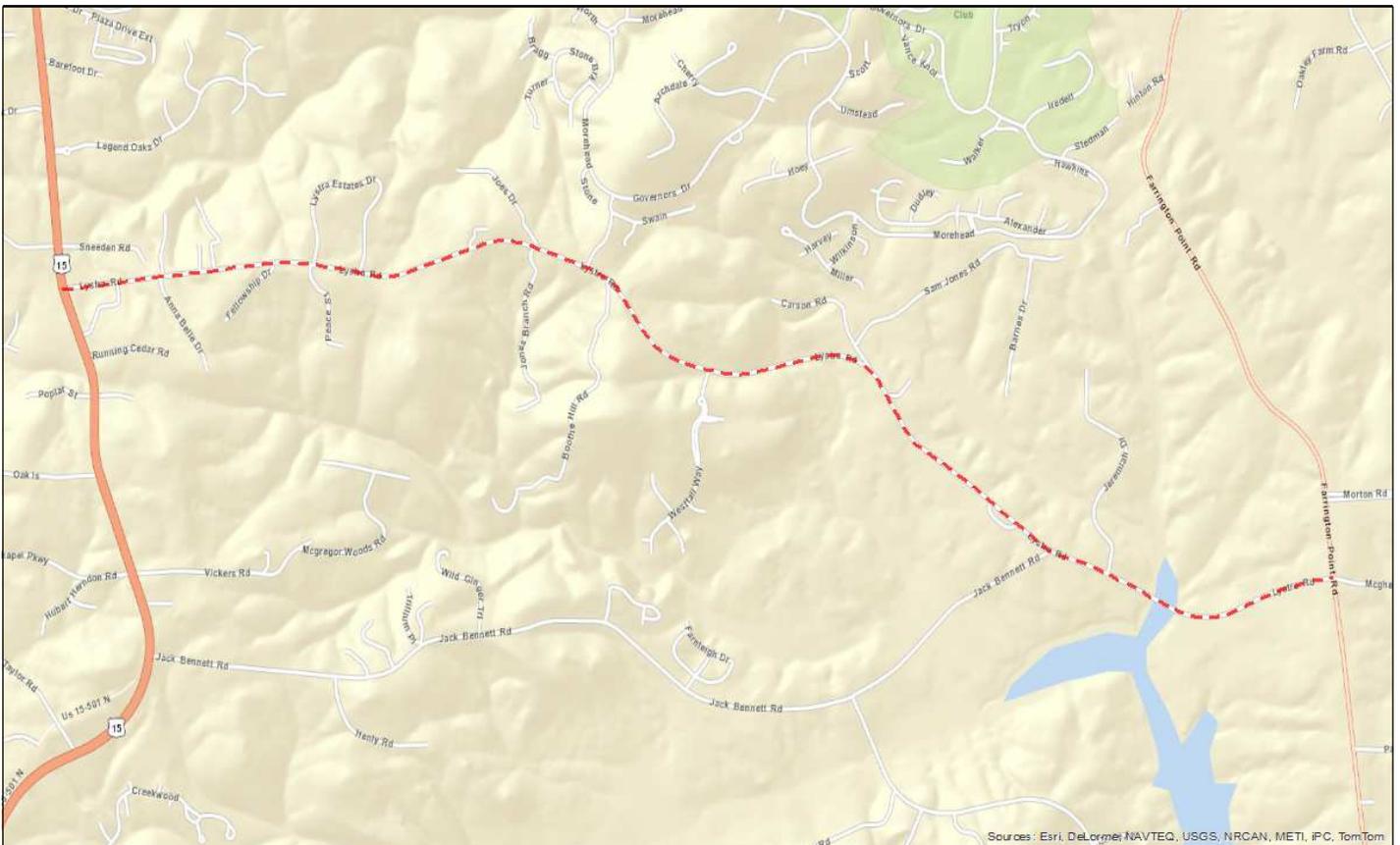
Construct safety improvements and 4? shoulder for bicycle facilities

Division(s): Division 8

County(s): CHATHAM

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 |
|---|---|-----------------------------------|
| Totals: Weight: 0% Weighted Score: 0 | N/A | N/A |

Regional Impact Total Score: 0

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

Division Needs Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|-----------------------------------|
| Congestion (V/C) (20%) 21.00 | Percent: 25% Points: | Percent: 25% Points: |
| Safety (10%) 45.99 | | |
| [Travel Time] Benefit/Cost (20%) 0.00 | | |
| Totals: Weight: 50% Weighted Score: 8.8 | | |

Project Data ***Existing Conditions**

| | |
|---|-----------|
| Existing Cross-Section: | |
| Speed Limit: | 47 |
| Length (miles); | 4.55 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Local |
| Terrain Type: | Rolling |
| Lane Width: | 11 |
| Paved Shoulder Width: | 0 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 5002.76 |
| Capacity: | 15800 |
| Volume/Capacity Ratio: | 0.32 |
| % Autos: | 100% |
| % Trucks: | 0% |
| Truck Volume: | 0 |
| Crash Density: | 82.25 |
| Crash Severity: | 26.78 |
| Critical Crash Rate: | 28.95 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 3 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 28 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 95 |
| Actual Congested Speed: | 0 |
| Travel Time Index: | 0 |

Project Benefits

| | |
|--|------------|
| Project Cross-Section: | |
| Speed Limit: | 47 |
| Length (miles): | 4.55 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Local |
| TerrainType: | Rolling |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 2 |
| Travel Time Savings for 30 Years (Total): | 0 |
| Travel Time Savings for 30 Years (Autos): | 0 |
| 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? | |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 8 |

* 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**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|----------------|------------------------|-----------------------|
| Division 8 | 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: | \$11,742,000 | TIP Unit |
| Right-of-Way Cost: | \$0 | Cost Estimation Tool |
| Utilities Cost: | \$0 | Cost Estimation Tool |
| Total Project Cost: | \$11,742,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$11,742,000 | |