# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H110996 **Mode:** Highway **Status:** Submitted

## NC-98

**From/Cross Street:** Durham County Line

**To:** NC 98 Bypass

**Length:** 8.53

**Specific Improvement Type:** 1 - Widen Existing Roadway

**Project Category:** Regional Impact

**TIP#:**

**Fully Funded in Draft STIP? No**

**Cost to NCDOT:** $85,000,000

**Description:**

Widen to 4 Lane Divided

**Division(s):** Division 5

**County(s):** WAKE

**MPOS(s)/RPO(s):** Capital Area MPO

## Project Location

**Statewide Mobility Total Score: 0**

| Quanitative 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**

| Quanitative Score | | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---|---|
| Congestion (V/C) (25%) | 58.95 | Percent: 15% | Percent: 15% |
| Safety (10%) | 62.80 | Points: | Points: |
| [Travel Time] Benefit/Cost (25%) | 2.32 | | |
| Accessibility / Connectivity (10%) | 18.68 | | |
| **Totals: Weight: 70% Weighted Score: 23.46** | | | |

**Division Needs Total Score: 0**

| Quantitative Score | | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---|---|
| Congestion (V/C) (20%) | 58.95 | Percent: 25% | Percent: 25% |
| Safety (10%) | 62.80 | Points: | Points: |
| [Travel Time] Benefit/Cost (20%) | 2.32 | | |
| **Totals: Weight: 50% Weighted Score: 18.53** | | | |

# Project Data *

## Existing Conditions

| | |
|---|---|
| Existing Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles); | 8.53 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| Lane Width: | 12 |
| Paved Shoulder Width: | 4 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 14042.92 |
| Capacity: | 15799.41 |
| Volume/Capacity Ratio: | 0.89 |
| % Autos: | 95% |
| % Trucks: | 5% |
| Truck Volume: | 654.05 |
| Crash Density: | 94.08 |
| Crash Severity: | 45.03 |
| Critical Crash Rate: | 49.31 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 3 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 27 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 88 |
| Actual Congested Speed: | 45.36 |
| Travel Time Index: | 1.21 |

## Project Benefits

| | |
|---|---|
| Project Cross-Section: | 4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders |
| Speed Limit: | 55 |
| Length (miles): | 8.53 |
| Facility Type: | Arterial |
| Access Control: | Partial |
| Functional Classification: | Minor Arterial |
| TerrainType: | Rolling |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 4 |
| Travel Time Savings for 30 Years (Total): | 8776647.41 |
| Travel Time Savings for 30 Years (Autos): | 8367872.7 |
| Travel Time Savings for 30 Years (Trucks): | 408774.71 |
| 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 5 |

* 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 5 | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| **TOTAL Division Points** | | **0** | **0** |

**MPO/RPO**

| MPO/RPO | Percent | Regional Impact | Division Needs |
|---|---|---|---|
| Capital Area MPO | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| **TOTAL MPO/RPO Points** | | **0** | **0** |

## Project Cost and Source

| | | |
|---|---|---|
| Construction Cost: | $58,824,000 | TIP Unit |
| Right-of-Way Cost: | $23,371,000 | Cost Estimation Tool |
| Utilities Cost: | $2,805,000 | Cost Estimation Tool |
| Total Project Cost: | $85,000,000 | |
| Other Funding: | $0 | None |
| **Cost to NCDOT :** | **$85,000,000** | |