



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090126

Mode: Highway

Status: Submitted

US-64, NC-18

From/Cross Street: Multi-Lanes North of Morganton

Specific Improvement Type: 1 - Widen Existing Roadway

To: Multi-Lanes in Gamewell

Project Category: Regional Impact

Length: 8.01

TIP#: R-2549

Fully Funded in Draft STIP? No

Cost to NCDOT: \$108,614,000

Description:

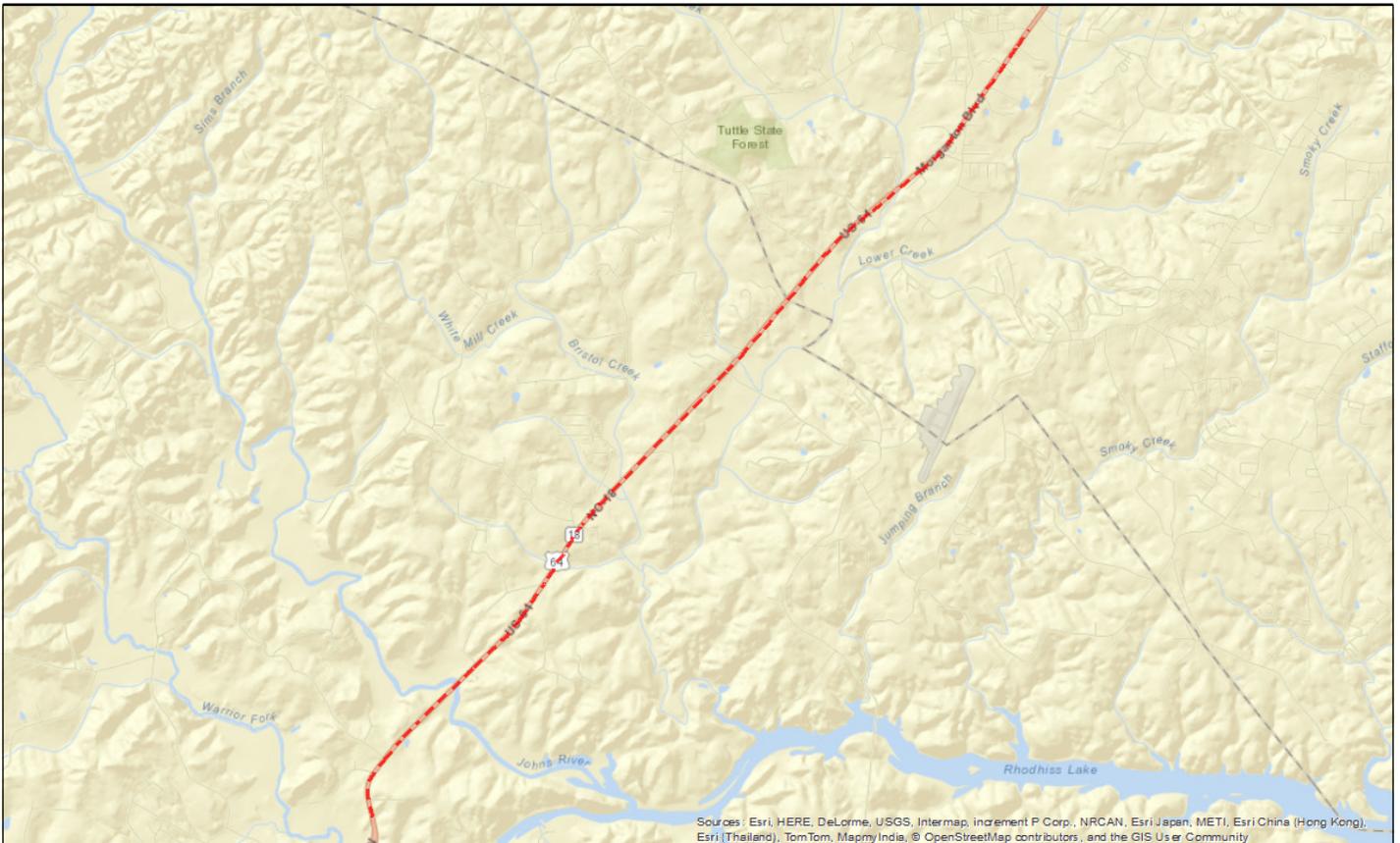
Multi-Lanes North of Morganton to Existing Multi-Lanes in Gamewell. Widen to Multi-Lanes.

Division(s): Division 13, Division 11

County(s): BURKE, CALDWELL

MPOS(s)/RPO(s): Greater Hickory MPO, Unifour RPO

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: 39.09

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|--------------------------------------|-----------------------------|
| Safety (10%) 68.68 | Percent: 15% Points: 35 | Percent: 15% Points: 100 |
| [Travel Time] Benefit/Cost (25%) 0.14 | | |
| Accessibility / Connectivity (10%) 32.48 | | |
| Congestion (V/C) (25%) 34.76 | | |
| Totals: Weight: 70% Weighted Score: 18.84 | | |

Division Needs Total Score: 13.85

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|--------------------------------------|----------------------------|
| Congestion (V/C) (20%) 34.76 | Percent: 25% Points: 0 | Percent: 25% Points: 0 |
| Safety (10%) 68.68 | | |
| [Travel Time] Benefit/Cost (20%) 0.14 | | |
| Totals: Weight: 50% Weighted Score: 13.85 | | |

Project Data ***Existing Conditions**

| | |
|---|------------------|
| Existing Cross-Section: | |
| Speed Limit: | 53 |
| Length (miles); | 8.01 |
| Facility Type: | Two Lane Highway |
| Access Control: | None |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| Lane Width: | 12 |
| Paved Shoulder Width: | 4 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 8158.74 |
| Capacity: | 15543.7 |
| Volume/Capacity Ratio: | 0.52 |
| % Autos: | 93% |
| % Trucks: | 7% |
| Truck Volume: | 605.46 |
| Crash Density: | 86.12 |
| Crash Severity: | 53.77 |
| Critical Crash Rate: | 66.18 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 1 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 24 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 85 |
| Actual Congested Speed: | 48.7 |
| Travel Time Index: | 1.09 |

Project Benefits

| | |
|--|---|
| Project Cross-Section: | 4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders |
| Speed Limit: | 53 |
| Length (miles): | 8.01 |
| Facility Type: | Multi-Lane Highway |
| Access Control: | Partial |
| Functional Classification: | Other Principal Arterial |
| TerrainType: | Rolling |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 4 |
| Travel Time Savings for 30 Years (Total): | 673005.59 |
| Travel Time Savings for 30 Years (Autos): | 623061.87 |
| Travel Time Savings for 30 Years (Trucks): | 49943.72 |
| Long-Term Employment: | |
| % Change in Economy: | |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | Yes |
| In CTP or LRTP? | No |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 11 |

* 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 13 | 65% | 0 | 0 |
| Division 11 | 35% | 35 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 35 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|-----------------------------|----------------|------------------------|-----------------------|
| Greater Hickory MPO | 87% | 87 | 0 |
| Unifour RPO | 13% | 13 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 100 | 0 |

Project Cost and Source

| | | |
|------------------------|----------------------|----------------------|
| Construction Cost: | \$81,624,000 | TIP Unit |
| Right-of-Way Cost: | \$24,098,000 | Cost Estimation Tool |
| Utilities Cost: | \$2,892,000 | Cost Estimation Tool |
| Total Project Cost: | \$108,614,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$108,614,000 | |