



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140362

Mode: Highway

Status: Submitted

NC-53 (Western Blvd)

From/Cross Street: SR 1308 (Gum Branch Rd)

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$930,000

Description:

Add right turn lane on westbound NC 53, add left turn lane on southbound SR 1308, add right turn lane on eastbound SR (Western Blvd)

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban 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: 37.77

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|--------------------------------------|-----------------------------|
| [Travel Time] Benefit/Cost (20%) 5.12 | Percent: 15% Points: 0 | Percent: 15% Points: 100 |
| Safety (25%) 83.35 | | |
| Multimodal + [Freight & Military] (25%) 3.65 | | |
| Totals: Weight: 70% Weighted Score: 22.77 | | |

Division Needs Total Score: 54.24

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|--------------------------------------|-----------------------------|
| Congestion (V/C) (20%) 61.04 | Percent: 25% Points: 0 | Percent: 25% Points: 100 |
| Safety (20%) 83.35 | | |
| Multimodal + [Freight & Military] (10%) 3.65 | | |
| Totals: Weight: 50% Weighted Score: 29.24 | | |

Project Data ***Existing Conditions**

| | |
|---|--------------------------|
| Existing Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles); | 0.5 |
| Facility Type: | Arterial |
| Access Control: | Limited |
| Functional Classification: | Other Principal Arterial |
| Terrain Type: | Level |
| Lane Width: | 12 |
| Paved Shoulder Width: | 2 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 45333.12 |
| Capacity: | 63400 |
| Volume/Capacity Ratio: | 0.72 |
| % Autos: | 98% |
| % Trucks: | 2% |
| Truck Volume: | 730.37 |
| Crash Density: | 0 |
| Crash Severity: | 0 |
| Critical Crash Rate: | 0 |
| Crash Frequency: | 100 |
| Severity Index: | 66.7 |
| County Tier Designation: | 2 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 24 |
| Existing Median Type (for Cost Estimation): | Divided |
| Pavement Condition Rating: | 96 |
| Actual Congested Speed: | 38.72 |
| Travel Time Index: | 1.16 |

Project Benefits

| | |
|--|--------------------------|
| Project Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles): | 0.5 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Other Principal Arterial |
| TerrainType: | Level |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 4 |
| Travel Time Savings for 30 Years (Total): | 215000 |
| Travel Time Savings for 30 Years (Autos): | 211536.11 |
| Travel Time Savings for 30 Years (Trucks): | 3463.89 |
| 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? | Yes |
| CTP/LRTP Name: | JUMPO 2040 LRTP |
| CTP/LRTP Completion Year: | 2014 |
| Submitted by: | Jacksonville Urban MPO |

* 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 3 | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 0 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|-----------------------------|---------|-----------------|----------------|
| Jacksonville Urban MPO | 100% | 100 | 100 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 100 | 100 |

Project Cost and Source

| | | |
|------------------------|------------------|----------------------|
| Construction Cost: | \$750,000 | Cost Estimation Tool |
| Right-of-Way Cost: | \$180,000 | Cost Estimation Tool |
| Utilities Cost: | \$0 | Cost Estimation Tool |
| Total Project Cost: | \$930,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$930,000 | |