



# **RRRPO TAC Meeting**

**In Person(f2f) or Zoom**

**Thursday, May 20<sup>th</sup>**

**6 pm – 8 pm**

**Public is Invited to Attend**

**Physical Meeting Address:**

**Huneycutt Rm./Locust Town Hall**

**Locust, NC**

**ZOOM Meeting Link:**

**<https://us02web.zoom.us/j/81018373282>**



# AGENDA: TECHNICAL ADVISORY COMMITTEE

Thursday, May 20, 2021  
Huneycutt Rm./Locust Town Hall  
Locust, NC  
& Zoom Link  
6 pm – 8 pm

## 1. Ethics Statement

Jarvis Woodburn, Chairperson

## 2. Amend/Adopt Agenda.....(ACTION NEEDED)

Jarvis Woodburn, Chairperson

## 3. Approval of Minutes from March, 2021.....(ACTION NEEDED)

Jarvis Woodburn, Chairperson

## 4. FY22 PWP Adoption .....(INFORMATION)

Lee Snuggs, RRRPO

The final FY22 PWP will need to be adopted in May, 2021 to guarantee funding for the FY22 budget.

## 5. FY21 PWP Amendment ....(INFORMATION)

Lee Snuggs, RRRPO

## 7. Safety Project/Funding Presentation.....(INFORMATION)

Pate Butler, NCDOT

## 8. NCDOT Updates

- a. County Updates.....Division Staff
- b. Mobility & Safety Division.....Regional Traffic Staff
- c. NCDOT Corridor Development Engineers.....Scott Miller
- d. Transportation Planning Division.....J. Andy Bailey

## 9. Old Business

## 10. New Business

## 11. Public Comment

## 12. Closed Session

## 13. Adjourn

**Next Meeting:**  
***Thursday, July 15, 2021***



## Technical Advisory Committee Meeting Minutes

**Members Present:** Jarvis Woodburn (Chairman – Anson County), Gary Lowder (Vice-Chair - Badin), Tony Lanthrop (NCBOT), Chris Whitley (Albemarle), Peter Ascitutto (Stanly County), Wes Hartsell (Norwood), Stony Rushing (Union County), and Michael Herron (Misenheimer).

**Members Absent:** Bill Peak (New London), Richard Allen (Peachland), Bob Usrey (Wadesboro) and Joey Estridge (Ansonville).

**Others Present:** J. Andy Bailey (NCDOT-TPD), Stewart Basham (NCDOT), Scott Miller (NCDOT), Pate Butler (NCDOT), Jeff Littlefield (NCDOT), Travis Preslar (NCDOT), Pam Digiovanni (NCDOT), Larry Milano (Badin-Alt.), James Dunlop (NCDOT), Warren Cooksey (NCDOT), Lee Snuggs (RRRPO) and Lisa Park (RRRPO).

### Welcome

The meeting convened at 10:00 am. Quorum was established.

#### 1. Ethics Statement

The Ethics Statement was read to members by Chairman Jarvis Woodburn.

#### 2. Approval of Agenda (Approved)

A motion was made by Chris Whitley to approve the agenda and was seconded by Gary Lowder. The motion was unanimously approved.

#### 3. Approval of Minutes from January 2021 (Approved)

A motion was made by Michael Herron to approve the January 2021 minutes and was seconded by Chris Whitley. The motion was unanimously approved.

#### 4. Roundabouts in North Carolina (Informative)

##### James Dunlop, NCDOT

A presentation was provided with a detailed history of roundabouts from the first created in 1905(NYC) to current roundabouts & projects in our area (Five Points in downtown Albemarle). Also discussed was safety, different types and shapes, “Why Roundabouts?” and “Myth Busting!”.

**5. Monroe Expressway Update (Informative)**

**Warren Cooksey, NCDOT**

The Monroe Expressway is 18 miles of 4 lanes tolled highway that provides high-speed alternates to US 74. 13% of vehicles with 3+ axles made use of the toll road in the third quarter of 2020. Traffic times showed a saving of 11-14 minutes when traveling the Monroe Expressway.

**6. FY22 PWP Draft**

**Lee Snuggs, RRRPO**

A DRAFT of the RRRPO FY22 budget was presented for the board’s consideration. The final FY22 PWP will need to be adopted in May, 2021 to guarantee funding for the FY22 budget.

**7. NCDOT Updates:**

**a. County: Division Staff**

- **NC 24/27 Widening Project (R-2530B)** - The widening of NC 24/27 from Albemarle to Lake Tillery. Work is underway on the project with utility crews making good progress. Currently working on grading, sewer line work, culvert construction, and temporary walls. Project is currently shown as being 36% complete. It is scheduled to be complete at the end of 2023.
- **NC 24/27 Bridges (B-4974)** – Rehabilitation work is continuing. Currently working on epoxy injection of the foundations. Barges and cranes have been demobilized. Painting work still delayed due to the weather. Construction of the bridge is approximately 96% complete. Completion is scheduled for the late Spring of this year.
- **Statewide Litter Sweep** – NCDOT conducts a biannual Litter Sweep each year in April and September. Due to COVID and NCDOT’s financial situation last year, the number of mowing and litter pickup cycles were reduced. This has resulted in an increase in litter along our roadways. The Spring Litter Sweep is an opportunity to get our roadways cleaned back up. Volunteer groups are needed for both the Litter Sweep and the Adopt a Highway program. Please see me for more information if you are interested in participating or know of a group who might be interested.

**b. Mobility & Safety Division.....Regional Traffic Staff**

Safety Projects to be submitted by March 30, 2021

- Stanly County: NC 205 & Bick Lick Road-AWS
- Union County: McIntyre Road & Monroe Ansonville Road-AWS
- Union County: Mills Harris Road & Monroe Ansonville Road-AWS
- Union County: Unionville-Indian Trail Road & Poplin Road-AWS
- Union County: US 601 & Brief Road-In Lane Rumble Strips and Stop Ahead Pavement Markings

- Union County: US 74 at NC 205 & White Street & Olive Branch Road & E. Main Street-FYA's and Backplates
  - Stanly County: NC 24/27 @ Bethel, NC 205, Running Creek, WSHH- converting signalized intersections to RCIs
  - NC 24/27 @ Pine Bluff/ Reed Mine Rd- converting unsignalized intersection to RCI
- c. NCDOT Corridor Development Engineers.....Scott Miller**
- Covered in Division Staff Report
- d. Transportation Planning Division..... J. Andy Bailey**
- NC First Commission Report: <https://www.ncdot.gov/about-us/how-we-operate/finance-budget/nc-first/Pages/default.aspx>
  - There is an Average Annual Daily Traffic Counts website available (via the vendor, MS2). Please note that these are raw counts and have not been factored for things like seasonality and trucks. <https://ncdot.public.ms2soft.com/tcds/tsearch.asp?loc=ncdot>

**7. Old Business: None**

**8. New Business: None**

**9. Public Comment: None**

**10. Adjourned at 12:01**

Michael Herron made the motion to adjourn and it was seconded by Chris Whitley .  
The motion was unanimously approved.

**Adopted: This the 20th day of May, 2021.**

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**Jarvis, Woodburn, TAC Chairman**

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**Lee Snuggs, Secretary**

FY 2021-2022  
 PLANNING WORK PROGRAM  
 ANNUAL PROPOSED FUNDING SOURCES TABLE  
 Rocky River Rural Planning Organization

TASK CODE	WORK CATEGORY	RPO PROGRAM FUNDS		
		LOCAL 20%	STATE 80%	TOTAL
<b>I. DATA COLLECTION AND ASSESSMENT</b>				
<b>I-1</b>	<b>DATA COLLECTION AND ASSESSMENT</b>	\$ 4,100	\$ 16,400	\$ 20,500
I-1.1	Highway			
I-1.2	Other Modes			
I-1.3	Socioeconomic			
I-1.4	Title VI			
<b>II. TRANSPORTATION PLANNING</b>				
<b>II-1</b>	<b>COMPREHENSIVE TRANSPORTATION PLAN (CTP) DEVELOPMENT</b>	\$ 4,400	\$ 17,600	\$ 22,000
II-1.1	Develop CTP Vision			
II-1.2	Conduct CTP Needs Assessment			
II-1.3	Analyze Alternatives and Environmental Screening			
II-1.4	Develop Final Plan			
II-1.5	Adopt Plan			
<b>II-2</b>	<b>PRIORITIZATION</b>	\$ 2,000	\$ 8,000	\$ 10,000
II-2.1	Project Prioritization			
<b>II-3</b>	<b>PROGRAM AND PROJECT DEVELOPMENT</b>	\$ 3,080	\$ 12,320	\$ 15,400
II-3.1	STIP Participation			
II-3.2	Merger / Project Development			
<b>II-4</b>	<b>GENERAL TRANSPORTATION PLANNING</b>	\$ 4,760	\$ 19,040	\$ 23,800
II-4.1	Regional and Statewide Planning			
II-4.2	Special Studies, Projects and Other Trainings			
<b>III. ADMINISTRATION OF TRANSPORTATION PLANNING AND POLICIES</b>				
<b>III-1</b>	<b>ADMINISTRATIVE ACTIVITIES</b>	\$ 3,600	\$ 14,400	\$ 18,000
III-1.1	Administrative Documents			
III-1.2	TCC / TAC Work Facilitation; Ethics Compliance			
III-1.3	Program Administration			
<b>IV. DIRECT COSTS</b>				
<b>IV-1</b>	<b>PROGRAMMATIC DIRECT CHARGES</b>	\$ 2,400	\$ 9,600	\$ 12,000
IV-1.1	Program-wide Direct Costs			
<b>IV-2</b>	<b>ADVERTISING</b>	\$ 100	\$ 400	\$ 500
IV-2.1	News Media Ads			
<b>IV-3</b>	<b>LODGING, MEALS, INCIDENTALS</b>	\$ 700	\$ 2,800	\$ 3,500
IV-3.1	Hotel Costs			
IV-3.2	Meal Costs			
IV-3.3	Incidentals			
<b>IV-4</b>	<b>POSTAGE</b>	\$ 40	\$ 160	\$ 200
IV-4.1	Mailings			
<b>IV-5</b>	<b>REGISTRATION / TRAINING</b>	\$ 300	\$ 1,200	\$ 1,500
IV-5.1	Conference Registration			
IV-5.2	Meeting / Workshop / Training Fees			
<b>IV-6</b>	<b>TRAVEL</b>	\$ 1,114	\$ 4,455	\$ 5,569
IV-6.1	Mileage Reimbursement			
IV-6.2	Car Rental Costs			
IV-6.3	Other Travel Expenses			
<b>V. INDIRECT COSTS</b>				
<b>V-1</b>	<b>INDIRECT COSTS APPROVED BY COGNIZANT AGENCY</b>	\$ -	\$ -	\$ -
V-1.1	Incurred Indirect Costs			
<b>TOTAL</b>		\$ 26,594	\$ 106,375	\$ 132,969

Approved by the TAC on: May 20, 2021

TAC Chairman: \_\_\_\_\_

RPO Secretary: \_\_\_\_\_

FY 2020 - 2021  
**PLANNING WORK PROGRAM**  
**ANNUAL PROPOSED FUNDING SOURCES TABLE**  
**Rocky River Rural Planning Organization**

FY 2020 - 2021  
**PLANNING WORK PROGRAM**  
**AMENDMENT TABLE**  
**Rocky River RPO**

TASK CODE	WORK CATEGORY	RPO PROGRAM FUNDS		
		LOCAL 20%	STATE 80%	TOTAL
<b>I. DATA COLLECTION AND ASSESSMENT</b>				
I-1	<b>DATA COLLECTION AND ASSESSMENT</b>	\$ 4,900	\$ 19,600	\$ 24,500
I-1.1	Highway			
I-1.2	Other Modes			
I-1.3	Socioeconomic			
I-1.4	Title VI			
<b>II. TRANSPORTATION PLANNING</b>				
II-1	<b>TRANSPORTATION PLAN (CTP) DEVELOPMENT</b>	\$ 1,000	\$ 4,000	\$ 5,000
II-1.1	Develop CTP Vision			
II-1.2	Conduct CTP Needs Assessment			
II-1.3	Analyze Alternatives and Environmental Screening			
II-1.4	Develop Final Plan			
II-1.5	Adopt Plan			
II-2	<b>PRIORITIZATION</b>	\$ 2,000	\$ 8,000	\$ 10,000
II-2.1	Project Prioritization			
II-3	<b>PROGRAM AND PROJECT DEVELOPMENT</b>	\$ 1,640	\$ 6,560	\$ 8,200
II-3.1	STIP Participation			
II-3.2	Merger / Project Development			
II-4	<b>GENERAL TRANSPORTATION PLANNING</b>	\$ 6,360	\$ 25,440	\$ 31,800
II-4.1	Regional and Statewide Planning			
II-4.2	Special Studies, Projects and Other Trainings			
<b>III. ADMINISTRATION OF TRANSPORTATION PLANNING AND POLICIES</b>				
III-1	<b>ADMINISTRATIVE ACTIVITIES</b>	\$ 3,000	\$ 12,000	\$ 15,000
III-1.1	Administrative Documents			
III-1.2	TCC / TAC Work Facilitation; Ethics Compliance			
III-1.3	Program Administration			
<b>IV. DIRECT COSTS</b>				
IV-1	<b>PROGRAMMATIC DIRECT CHARGES</b>	\$ 5,400	\$ 21,600	\$ 27,000
IV-1.1	Program-wide Direct Costs			
IV-2	<b>ADVERTISING</b>	\$ 40	\$ 160	\$ 200
IV-2.1	News Media Ads			
IV-3	<b>LODGING, MEALS, INCIDENTALS</b>	\$ 800	\$ 3,200	\$ 4,000
IV-3.1	Hotel Costs			
IV-3.2	Meal Costs			
IV-3.3	Incidentals			
IV-4	<b>POSTAGE</b>	\$ 40	\$ 160	\$ 200
IV-4.1	Mailings			
IV-5	<b>REGISTRATION / TRAINING</b>	\$ 214	\$ 855	\$ 1,069
IV-5.1	Conference Registration			
IV-5.2	Meeting / Workshop / Training Fees			
IV-6	<b>TRAVEL</b>	\$ 1,600	\$ 6,400	\$ 8,000
IV-6.1	Mileage Reimbursement			
IV-6.2	Car Rental Costs			
IV-6.3	Other Travel Expenses			
<b>V. INDIRECT COSTS</b>				
V-1	<b>INDIRECT COSTS APPROVED BY COG</b>	\$ -	\$ -	\$ -
V-1.1	Incurred Indirect Costs			
<b>TOTAL</b>		<b>\$ 26,994</b>	<b>\$ 107,975</b>	<b>\$ 132,969</b>

4th Quarter Amendment Table Date: 5/20/2021		
Original Budget With Previous Q Amendment(s)	Net Change	New 4th Quarter Budgeted Amount
<b>I. DATA COLLECTION AND ASSESSMENT</b>		
\$ 24,500	\$ 5,000	\$ 29,500
Adding \$5000. This line item involved more work than was anticipated when making 2020-21 projections.		
<b>II. TRANSPORTATION PLANNING</b>		
\$ 5,000	\$ 3,000	\$ 8,000
Adding \$3000. This line item involved more work than was anticipated when making 2020-21 projections.		
\$ 10,000	\$ -	\$ 10,000
Provide explanation for moving funds from one category to another.		
\$ 8,200	\$ 2,000	\$ 10,200
Adding \$2000. This line item involved more work than was anticipated when making 2020-21 projections.		
\$ 29,800	\$ 2,000	\$ 31,800
Adding \$2000. This line item involved more work than was anticipated when making 2020-21 projections.		
<b>III. ADMINISTRATION OF TRANS PLANNING &amp; POLICES</b>		
\$ 15,000	\$ -	\$ 15,000
Provide explanation for moving funds from one category to another.		
<b>IV. DIRECT COSTS</b>		
\$ 27,000	\$ (12,000)	\$ 15,000
Subtracting \$12,000 . The amount of funds assigned was not needed.		
\$ 200	\$ -	\$ 200
Provide explanation for moving funds from one category to another		
\$ 4,000	\$ -	\$ 4,000
Provide explanation for moving funds from one category to another		
\$ 200	\$ -	\$ 200
Provide explanation for moving funds from one category to another		
\$ 1,069	\$ -	\$ 1,069
Provide explanation for moving funds from one category to another		
\$ 8,000	\$ -	\$ 8,000
Provide explanation for moving funds from one category to another		
<b>V. INDIRECT COSTS</b>		
\$ -	\$ -	\$ -
Provide explanation for moving funds from one category to another		
<b>\$ 132,969</b>	<b>\$ -</b>	<b>\$ 132,969</b>

Approved by the TAC on: May 20, 2021

TAC Chairman: \_\_\_\_\_

RPO Secretary: \_\_\_\_\_



## NORTH CAROLINA

Department of Transportation



# Metrolina Regional Traffic Safety Programs

- Pate Butler, PE, Regional Traffic Engineer
- Neda Fahim, Regional Traffic Safety Engineer





We are 1 of 8 Regional Traffic Offices in the state



- Divisions 1, 2 & 4
- Division 3
- Division 6
- Divisions 5 & 8
- Divisions 7 & 9
- Division 10
- Divisions 11 & 12
- Divisions 13 & 14

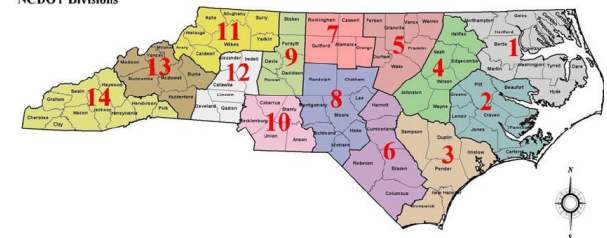
Outer Banks Region  
 Cape Fear Region  
 Sand Hills Region  
 Capital Region  
 Triad Region  
 Metrolina Region  
 High Country Region  
 Blue Ridge Region

We cover all Division 10 counties.

We serve as a liaison between the State Traffic Engineer's office and the Division (s).

We are responsible for most things traffic safety related including, but not limited to, speed limits, ordinances, traffic signal recommendations, safety improvement projects, HSIP investigations, fatal crash investigations, and TIP recommendations.

NCDOT Divisions





# Safety Programs



## Spot Safety High Hazard Mobility



Within each program there can be more specific type projects such as:

- Access Management
- Vulnerable User
  - Systemic



# Spot Safety Projects

- Maximum Cost of \$400,000
- Compete on a statewide basis for funding
- Prioritized for funding primarily based on benefit-to-cost (b/c) ratio
- State funded
- Quarterly submitted

## Typical Examples of Spot Safety Projects include:

- All-way stops
- Pavement Marking and Signing improvements
- Traffic Signal Installations
- Guardrail Installation
- Rumble Strips
- Turn Lanes

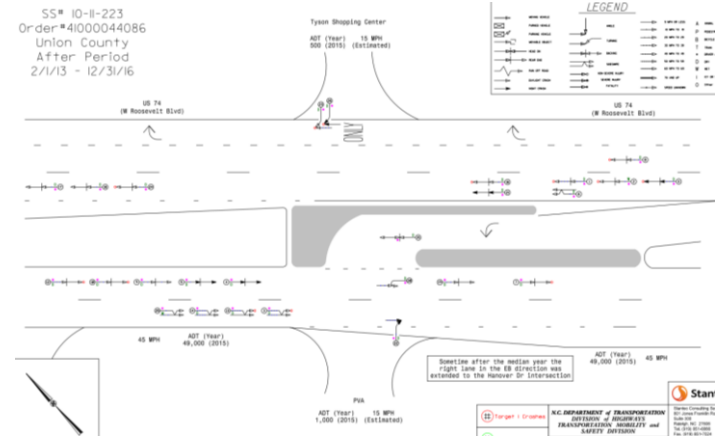
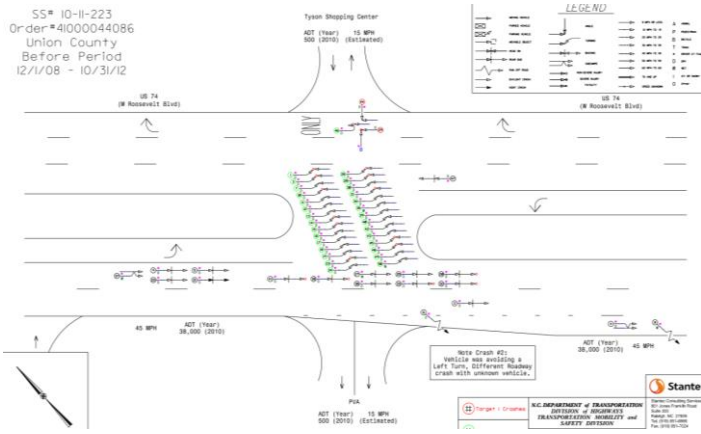


# Converting a full movement intersection to a directional left



## Before Crash History

## After Crash History





# Guardrail Installation on Millingport Road near 5 Points Road



This type of project corrects lane departure type crashes.



# High Hazard Elimination Projects

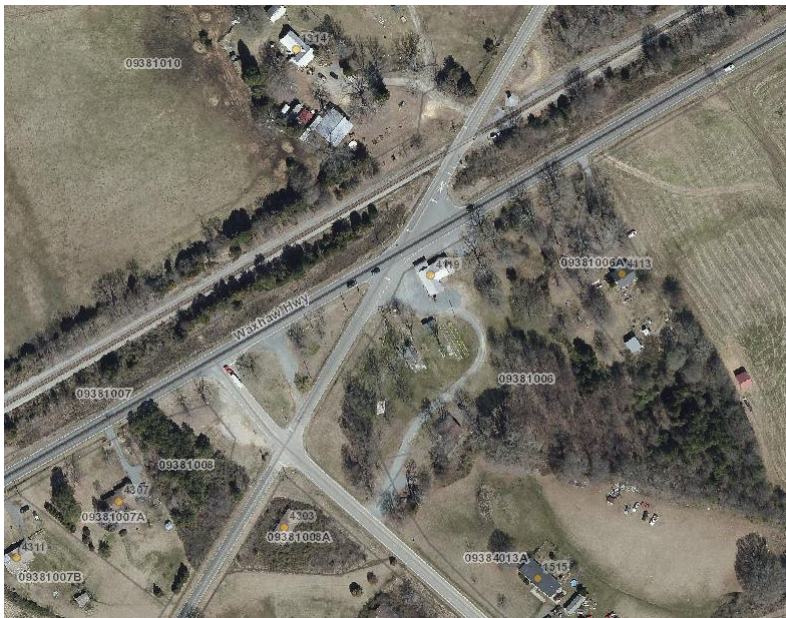
- Maximum Cost of \$1,000,000 (exceeding this amount requires prior approval from the State Traffic Engineer)
- Competes on a statewide basis for funding
- Prioritized for funding primarily based on benefit-to-cost (b/c) ratio
- Federally funded
- Quarterly submitted

## Typical Examples of High Hazard Projects include:

- Roundabouts
- Reduced Conflict Intersections (RCIs) with or without bulb outs
- Turn Lanes and Offset turn lanes
- Corridor Improvements
- Road Diets



# NC 75 and Rocky River Road in Union County

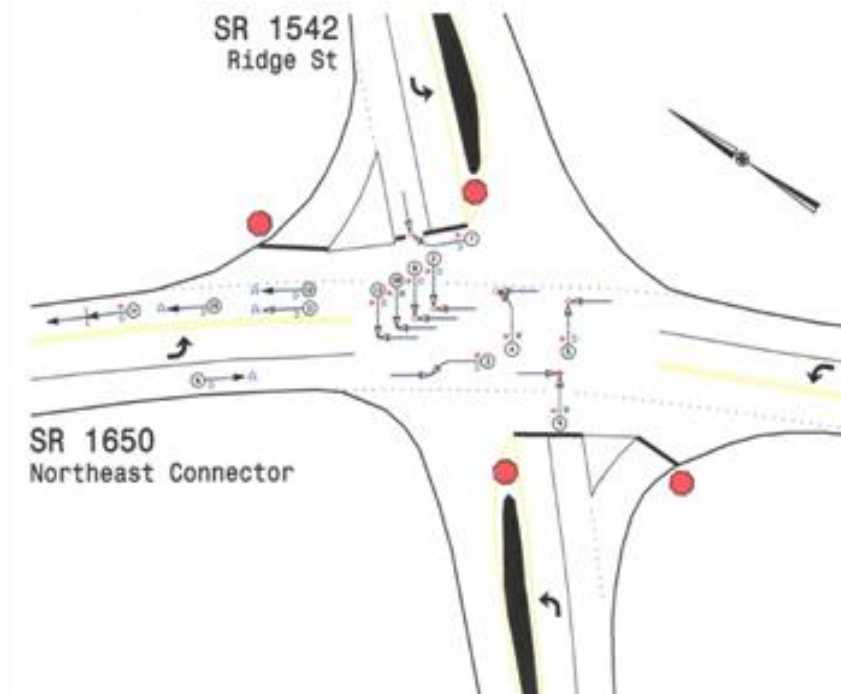


This project eliminated 3 at-grade intersections along with eliminating the potential of angle type crashes at 3 intersections.



# NE Connector at Ridge Street

Crash history prior to project development

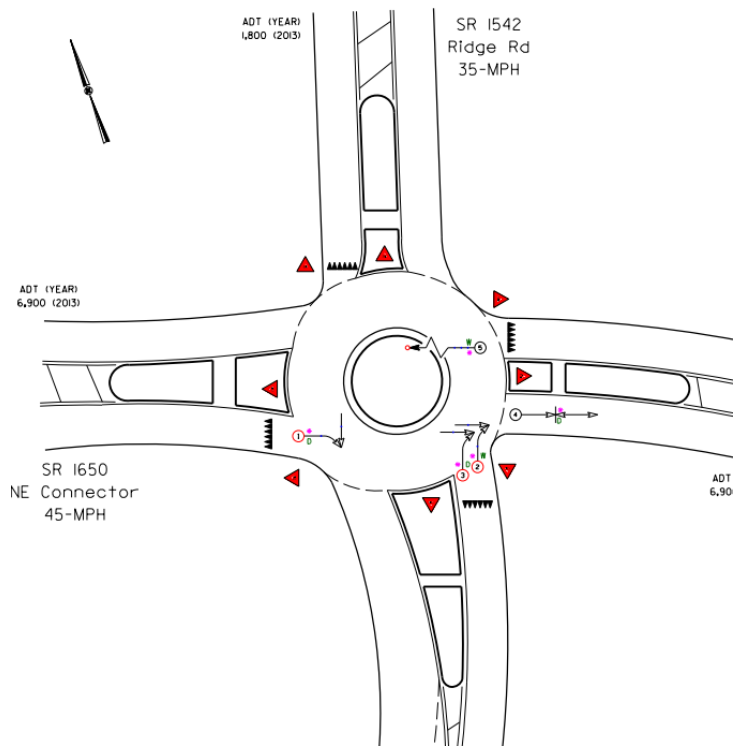


As shown, there were several angle type crashes to treat in the 5 years prior to developing the project. Angle crashes tend to be the most dangerous and have the potential to result in severe injuries.





# NE Connector at Ridge Street



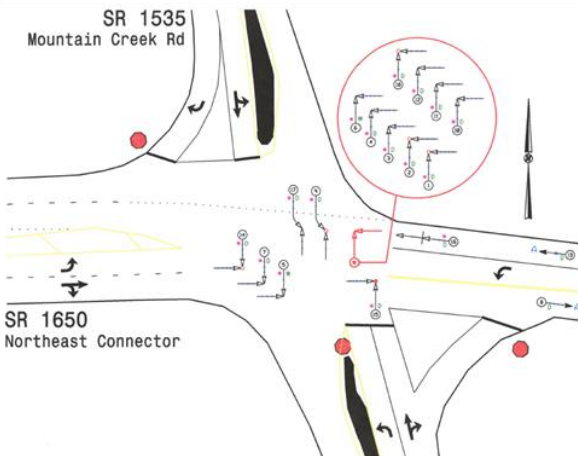
Crash pattern after installation



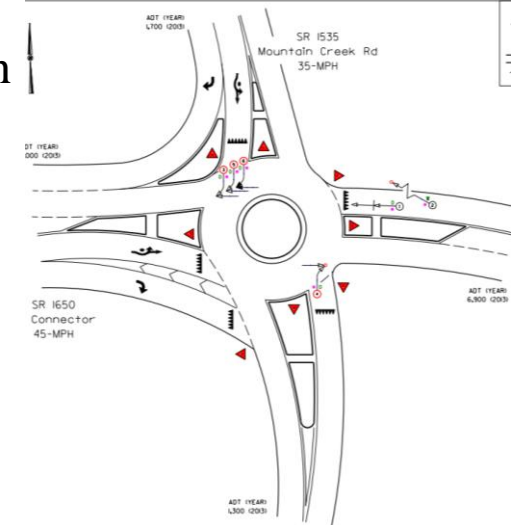
A RAB was designed to eliminate the severe angle type crashes that occur at crossroads type intersections like these. As you can see with the after-period crash history, the crashes are reduced to sideswipe, less severe type crashes.



# NE Connector @ Mountain Creek Road



This location had a large angle crash pattern with equally severe crashes. We were able to utilize the existing cross-section of roadway and allow for a slip-right lanes on two of the approaches. The crashes have been reduced to sideswipe, low speed crashes.



# Mobility Projects



- Maximum Cost of \$750,000 (can be used in conjunction with other funding sources)
- Competes on a statewide basis for funding
- Projects must meet a delay/vehicle savings requirement of 30 secs/ vehicle *or*
- Project meets movement delay savings of 1 min/vehicle with 20 secs max increase on mainline to qualify for funding
- State funded
- Quarterly submitted

## Typical Examples of Mobility Projects include:

- Systemic Improvements (i.e...signal systems)
- Right turn lanes
- RCI corridor treatments
- Dual Left turn lanes to move more traffic under each signal phase
- School Improvements
- Roundabouts



# NC 24-27-73 Corridor in Albemarle from Henson to Spaulding



Before: No access management and high crash rate



After: median divided roadway with directional crossovers and a pedestrian refuge

# Peachland Polkton Elementary School



Converted two-way entrance to inbound only to allow for more internal storage



Built a separate exit lane for parents

Extended the parking area to allow for double stacking all the way out to US 74



# Vulnerable User Projects

- Pedestrians
- Cyclists
- Hearing or Visually Impaired



## Typical Examples of Vulnerable User Projects can include:

- Audible Pedestrian Signal Heads (for the visually impaired)
- RRFB (Rectangular Rapid Flashing Beacons)
- Pedestrian Signal Heads and/or Crosswalks
- Pedestrian Refuges





# Main Street @ The Depot in Downtown Albemarle

Converted a 4-lane undivided roadway to a two-lane divided with a pedestrian refuge and crosswalk





# Current List of Funded Projects

Funding Source	File Number	TIP	Description of Location	Project Improvement Description	County
HSIP	10-18-233	W-5710AJ	**INCENTIVE FUNDS** US 74 and SR 1733 (Camden Street) in Lilesville.	Install a superstreet with bulbouts.	Anson
State	10-19-217	SS-6010H	NC 218 and SR 1002 (Mitchum Road/ New Home Church Road).	Install an all-way stop.	Anson
State	10-19-226	SS-6010V	NC 742 and SR 1003 (Cason Oldfield Rd/ Deep Creek Rd).	Install an All Way Stop with upgraded flashers.	Anson
State	10-19-229	SS-6010J	NC 742 and SR 1418 (Ansonville Polkton Road).	Install an all-way stop.	Anson
State	10-19-231	SS-6010G	US 52 North at US 74 & US 52 South at US 74. Two intersections.	Refresh a miniskip guide line through the intersection for the dual left turns from US 52 North to US 74, Install a miniskip guide line through the intersection for the dual left turns from US 52 South to US 74, add retroreflective backplates to signal heads on US 74 at US 52 North and US 74 at US 52 South, and pull back the stop bar for the westbound left turn lane at US 52 North and US 74 by 15'-20'.	Anson
Mobility	10-13-216	SM-5710M	Richfield Elementary School in Richfield.	Construct a road onsite to hold the parent traffic in a double queue. This will remove the parent queues from the adjacent neighborhood streets and keep them from blocking residents.	Stanly
HSIP	10-13-236	W-5710AF	SR 1200 (Bethel Church Road) and SR 1211 (Coley Store Road) near Locust.	Install All Way Stop.	Stanly
HSIP	10-17-274	W-5710AB	SR 1542 (Ridge St) and SR 1524 (Carter Acre Rd) near Albemarle.	Install a roundabout.	Stanly
HSIP	10-17-275	W-5710AG	SR 1542 (Ridge Street) and SR 1545 (Mountain View Church Road) near Albemarle.	Install a roundabout.	Stanly
HSIP	10-17-279	W-5710AC	SR 1650 (NE Connector) and SR 1538 (Moss Springs Road) (northernmost intersection).	Install a left turn lane for the southbound vehicles along SR 1650.	Stanly
HSIP	10-18-221	W-5710AP	** Long Life Pavement Markings** for 10 routes in Stanly County. The routes include SRs 1549, 1798, 1720, 1210, 1227, 1970, 1968, 1954, 1923, and 1935.	Install long life pavement markings on the white edgelines and yellow centerlines of the above mentioned routes.	Stanly
State	10-20-202	SS-6010L	SR 1214 (Austin Road) and SR 1400 (Old Salisbury Road) near Albemarle.	Install an all-way stop condition.	Stanly
State	10-20-220	SS-6010O	NC 73 and SR 1134 (Millingport Road).	Install an All-Way Stop Condition with upgraded flashers.	Stanly
HSIP	10-07-008	U-5112	SR 1364 (Pleasant Plains Road) at SR 1357 (Potters Road).	Install left turn lanes on all four approaches and modify existing two phase traffic signal.	Union



HSIP	10-16-244	W-5710I	NC 200 (Morgan Mill Road) and NC 218. This project was discussed with JKL on 1/30/17.	Install a roundabout. Currently signalized intersection.	Union
HSIP	10-16-250	W-5710J	SR 1004 (Lawyers Road) and SR 1525 (Mill Grove Road) near Hemby Bridge. This project was discussed with JKL on 1/30/17.	Install a roundabout. As an interim treatment until RAB is constructed, install a 4 way stop.	Union
State	10-17-205	SS-4910DH	SR 1344 (Weddington Matthews Rd) at SR 1345 (Tilley Morris Rd) in Weddington. This project is being set up as a 20% companion match to allocated STPG-DA funds for the location. To be funded along with 10-17-207. Locations discussed with JKL on 1/10/18.	Install a roundabout.	Union
State	10-17-208	SS-4910DI	SR 1315 (New Town Road) and SR 1312 (Marvin Road) in Marvin. This project is being set up only as a 20% companion match to allocated STPG-DA funds for the location.	Install a roundabout.	Union
HSIP	10-17-210	W-5710Y	SR 1315 (New Town Road) and SR 1008 (Waxhaw Indian Trail Road) in Wesley Chapel. This location was discussed with JKL 5/1/17. Previous safety project to install a traffic signal at this intersection was completed in 2008.	Install a roundabout at the intersection of New Town Rd and Waxhaw Indian Trail Road.	Union
State	10-17-210-1	SS-6010AJ	SR 1315 (New Town Road) and SR 1008 (Waxhaw Indian Trail Road) in Wesley Chapel.	Install a roundabout at the intersection of New Town Rd and Waxhaw Indian Trail Road.	Union
Mobility	10-17-211	U-6087/SM-5710E	SR 1346 (Potter Road) and SR 1162 (Wesley Chapel Road) in Wesley Chapel. This project is being set up only as a 20% companion match to allocated STBGDA funds for the location.	Install a roundabout.	Union
Mobility	10-17-223	SM-5710F	NC 84 and SR 1162 (Potter Road)/ SR 1377 (Wesley Chapel Rd) in Wesley Chapel.	Install a right turn lane on all 4 approaches to the intersection.	Union
HSIP	10-17-224	W-5710AN	SR 1009 (Old Charlotte Highway) and Williams Road (non-system) in Monroe.	Install a left turn lane in the eastbound direction along SR 1009 (Old Charlotte Highway).	Union
HSIP	10-17-227	W-5710Z	NC 200 and NC 522 and SR 1007 (S. Rocky River Road) and SR 1146 (Parkwood School Rd). This location was discussed with JKL on 11/3/17. Any overruns will be covered by STBG-DA funds per Sean Epperson 11/3/17.	Install a 5 legged RAB.	Union
State	10-17-227-1	SS-6010K	NC 200 and NC 522 and SR 1007 (S. Rocky River Road) and SR 1146 (Parkwood School Rd). This project is being set up only as a 20% companion match to allocated STP-DA funds for the location. (Companion to W-5710Z).	Install a 5 legged RAB.	Union
HSIP	10-17-241	W-5710L	NC 16 (Providence Road) and Gray Byrum near Waxhaw.	Install LTL and RTL on NC 16.	Union
HSIP	10-17-265	W-5710AA	SR 1004 (Lawyers Rd) and Emerald Lake Drive (non-system) in Stallings. This project was discussed with JKL and revamped to include the completion of sidewalk.	Install a RAB and extend sidewalk to connect all-around.	Union
HSIP	10-17-269	W-5710U	SR 1315 (New Town Rd) and SR 1319 (Ennis Rd/ Broomes Old Mill Road) near Weddington.	Install a mini RAB at the intersection.	Union
HSIP	10-17-273	W-5710AD	SR 1005 (Landsford Rd) and SR 1937 (Old Pageland Marshville Rd).	Install a roundabout.	Union
Mobility	10-17-277	SM-5710G	US 74 and NC 200 in Monroe.	Install dual left turn lanes on eastbound US 74 at NC 200.	Union
HSIP	10-17-281	W-5710AH	NC 200 (Lancaster Highway) and SR 1137 (Potter Road). Interim treatment is an all-way stop at the intersection.	Install a 5 legged roundabout.	Union
HSIP	10-18-217	W-5710AI	NC 218 and SR 1606 (Sikes Mill Road) near Fairview.	Install a roundabout.	Union
HSIP	10-18-223	W-5710AM	SR 1001 (Sikes Mill Road) and SR 1617 (Tom Boyd Road) in Unionville.	Install All Way Stop.	Union
HSIP	10-18-237	W-5710AL	SR 1751 (Monroe Ansville Road) and SR 1758 (Austin Chaney Road) near Wingate.	Install All Way Stop.	Union
Mobility	10-19-202	SM-5710N	SR 1004 (Lawyers Rd) and SR 1514 (Rocky River Road) near Indian Trail. This project companions with 10-19-202-1 (HSIP funds).	Install a roundabout.	Union
HSIP	10-19-202-1	W-5710AS	SR 1004 (Lawyers Rd) and SR 1514 (Rocky River Road) near Indian Trail. This project companions with 10-19-202 (Mobility funds).	Install a roundabout.	Union
HSIP	10-19-203	W-5710AR	SR 1004 (Lawyers Road) and SR 1532 (Indian Trail- Fairview Road) near Fairview.	Install a roundabout.	Union
State	10-19-215	SS-6010AA	NC 218 at SR 1001 (Love Mill Road) near Fairview.	Install an All Way Stop without flashers.	Union



# Questions?