

### Ray Rd Improvements

From Overhills Rd (SR 1120) to Nursery Rd (SR 1117)

Local ID: HARN0030-H

Purpose: Facility Deficiencies

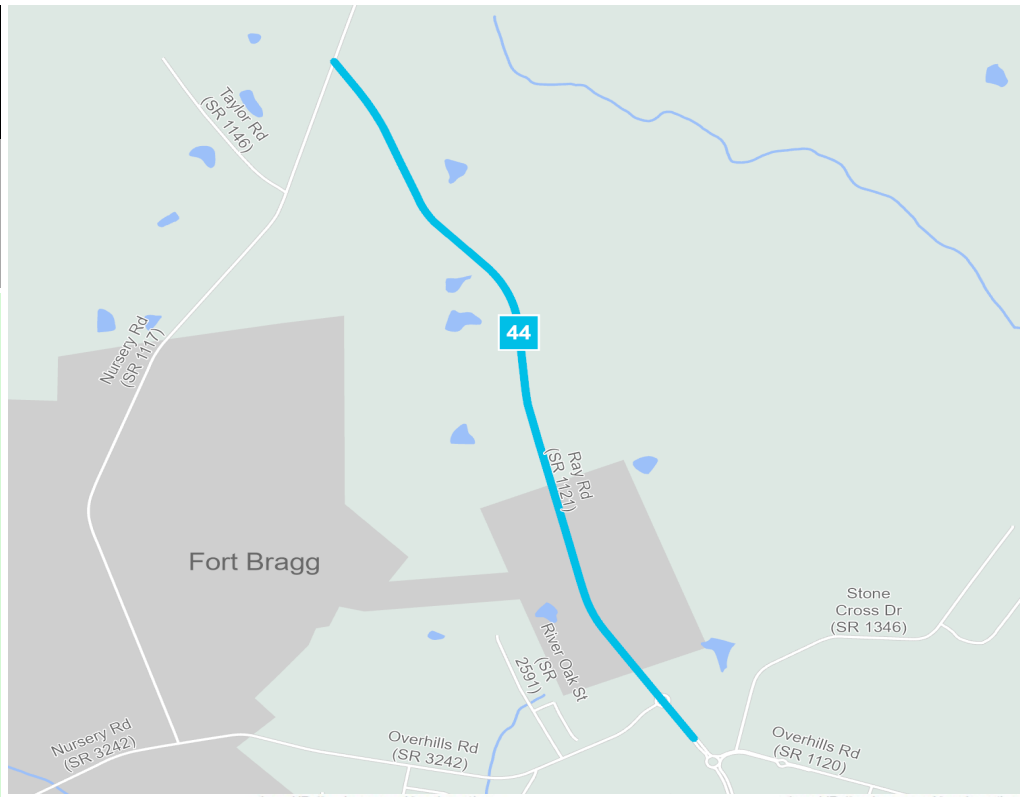
Improvement: Widening

#### Identified Need

This facility is in the southern portion of Harnett County that is experiencing substantial growth due to military expansion at Fort Liberty. This road does not meet the modern standards, and is lacking adequate shoulder and lane width.

#### Recommendation

The project proposal is to upgrade the roadway to current standards and provide turn lanes where needed. This project submittal in SPOT 6.0 includes a roundabout at the intersection of Ray Road and Nursery Road.



	Local ID #	Improve	New Location		Local ID #	Improve	New Location
Congestion / Mobility	#	—	---	Interchange	⊙	□	■
Access Management / Operations	#	—	---	Bridge / Overpass	⊙	○	●
Modernization	#	—	---	Intersection	⊙	∟	▲
Other	#	—	---				

### Proposal At A Glance

Highway Class	Modernization
Facility Type	Minor Thoroughfare
Typical Section	03 A
Section Options	02 A
Length (miles)	2.10
Existing ROW (feet)	
Safety Risk Score	56-78

### Proposal Data: 2018 Base Year 2045 Future Year

Improved Route	2018 Base Year		2045 Future Year	
	Existing	Without Proposal	With Proposal	
Facility Type	Minor Thoroughfare	Minor Thoroughfare	Minor Thoroughfare	
Travel Lanes	2	2	2	
Volume (vpd)	5900-6100	8800-9100	8600-9000	
Capacity (vpd)	13600	13600	15100	

### Capacity Data: Year

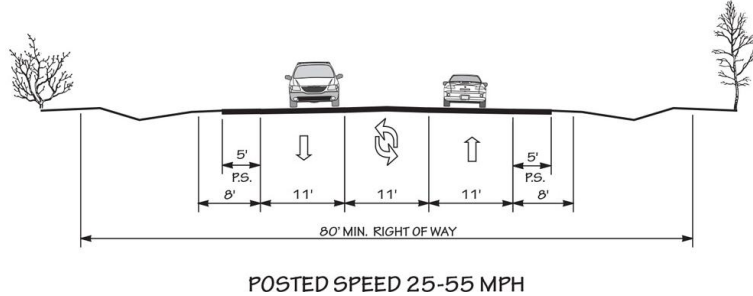
Facility will be Approaching Capacity (>80%)	-
Facility will be Over Capacity (>=100%)	-



Typical Section Options:

# TYPICAL SECTION No. 3A

02 A  
2 LANE WITH TWO WAY LEFT TURN LANE, AND PAVED SHOULDERS



### Project History/Linkage to Other Plans

This project, HARN0030-H, was first identified in the 2011 Harnett County CTP. This project is also submitted in the prioritization SPOT 6.0 as a roundabout project at the intersection of Ray Road and Nursery Road.

### Potential Impacts

Due to Harnett County's close proximity to Fort Liberty, it is expected to continue experiencing rapid growth related to the Department of Defense Base Realignment and Closure (BRAC) implementation over the next few years. Population is also expected to continue increasing through the 2045 planning period due to new residents from the Fayetteville area expanding north. The Overhills area is located in southwestern Harnett County and it is expected that the greatest residential and commercial growth will occur in this area of the county. As this area continues to develop, a need for multi-modal connections and options becomes ever present. The community would like to see expanded options for walking and bicycling in the area

### Additional Information - Environmental

This project is within 150 feet of:

- Land Habitat Indicator Guild(s)
- Managed Area(s)
- National Heritage Significant Area(s)

### Additional Information - Title VI

This recommendation passes through one or more Census Blocks with the following characteristics:

- Between 25% and 50% identify as African American
- Between 0% and 25% identify as 65+
- Between 0% and 5% identify as Asian

- Between 2.5% and 10% identify as Hawaiian or Pacific Islander
- Between 15% and 25% identify as Hispanic and Latino
- Between 0% and 5% identify as Over 18 w/ Limited English Proficiency (LEP) - Asian and Pacific Islander
- Between 0% and 5% identify as Over 18 w/ Limited English Proficiency (LEP) - Indo-European
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Other
- Between 0% and 5% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish
- Between 0% and 15% identify as Native American
- Between 15% and 25% identify as Below Poverty Line
- Between 0% and 5% identify as Some Other Race
- Between 10% and 15% identify as Two of More Races
- Between 0% and 15% identify as Households with No Car