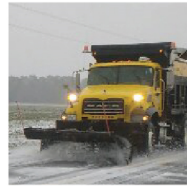
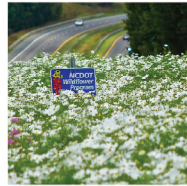




## **NORTH CAROLINA**

Department of Transportation

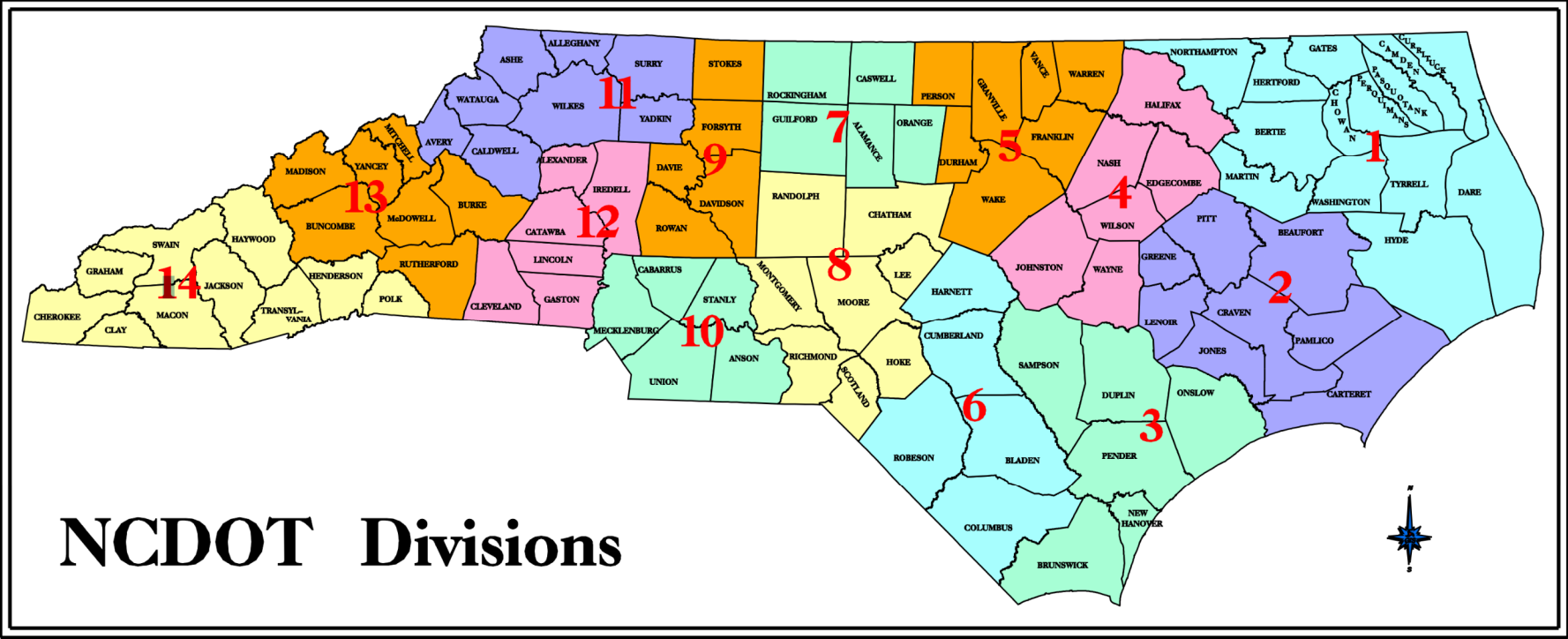


# City of Monroe – NCDOT Update

Theo Ghitea, PE

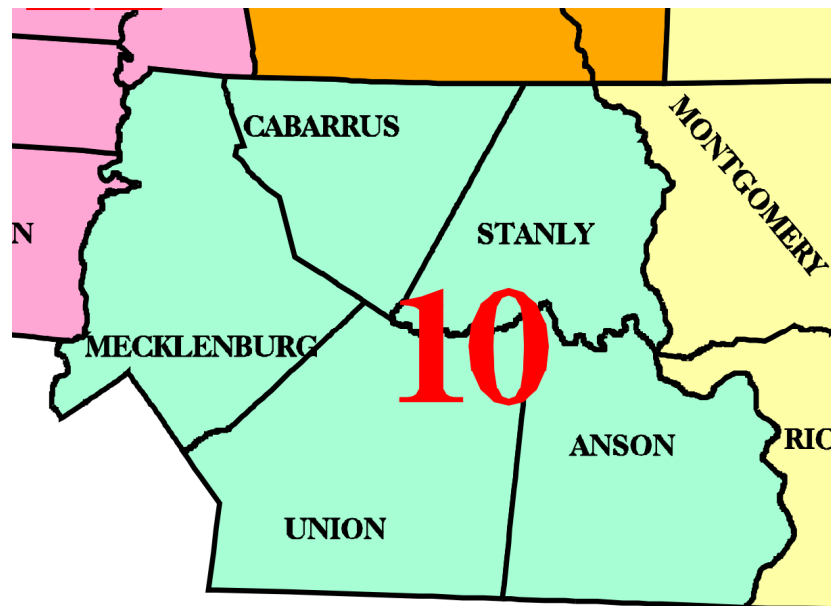
Division 10 Senior Planning Engineer

February 14, 2023

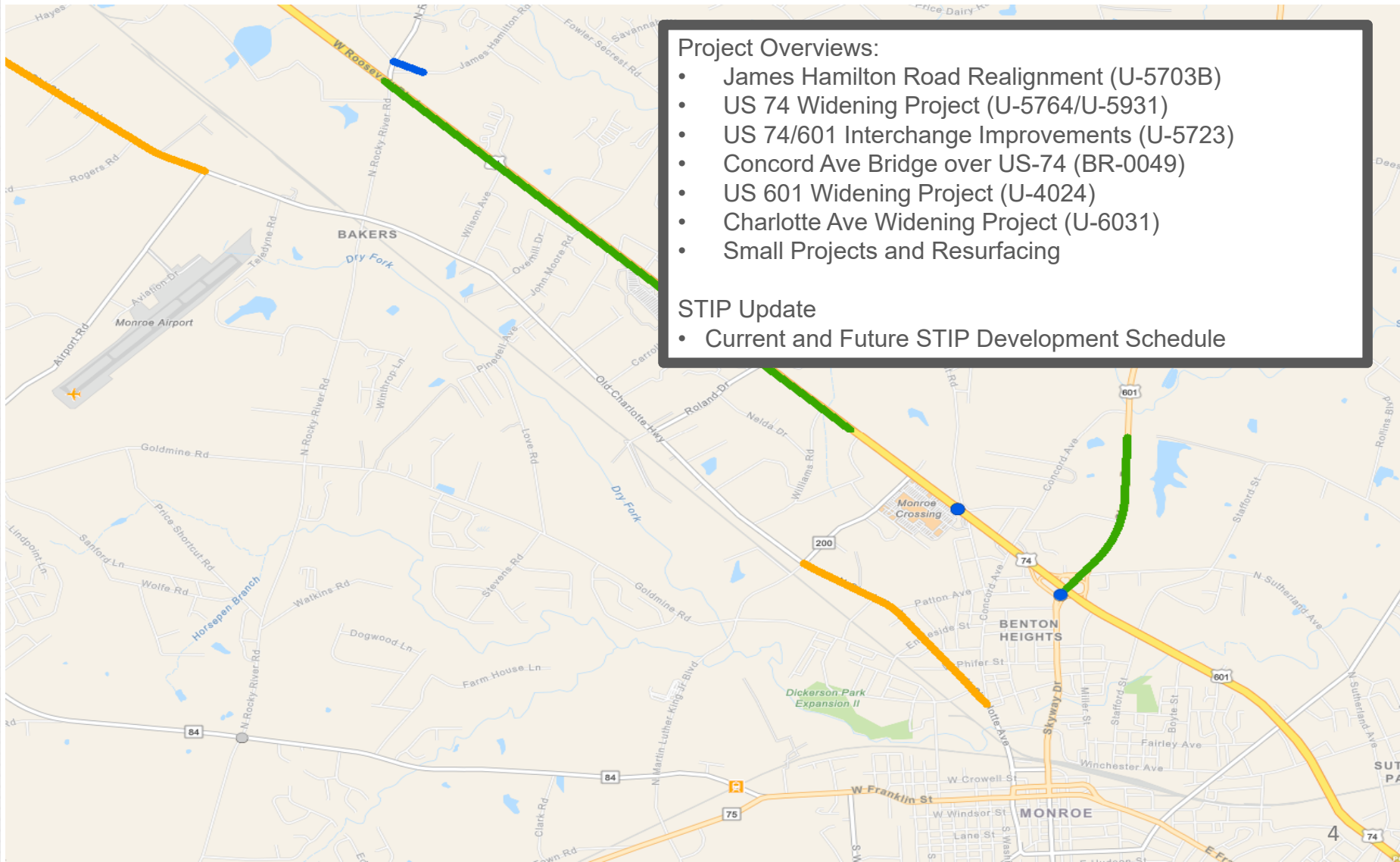


# NCDOT Division 10

- Covers five Counties – Mecklenburg, Union, Cabarrus, Stanly, Anson Counties
- 400 employees
- Offices across five Counties
- Works very closely with the City of Monroe and Charlotte Regional Transportation Planning Organization (CRTPO) on transportation related projects within Union County



# Today's Roadmap





# James Hamilton Road Realignment (U-5703B)

**Scope:** Realign James Hamilton

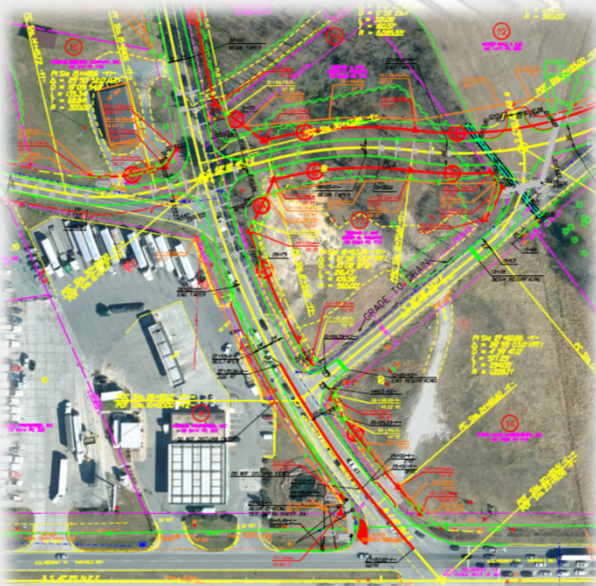
Rd to align with Myers Rd

**Right of Way:** FY2023

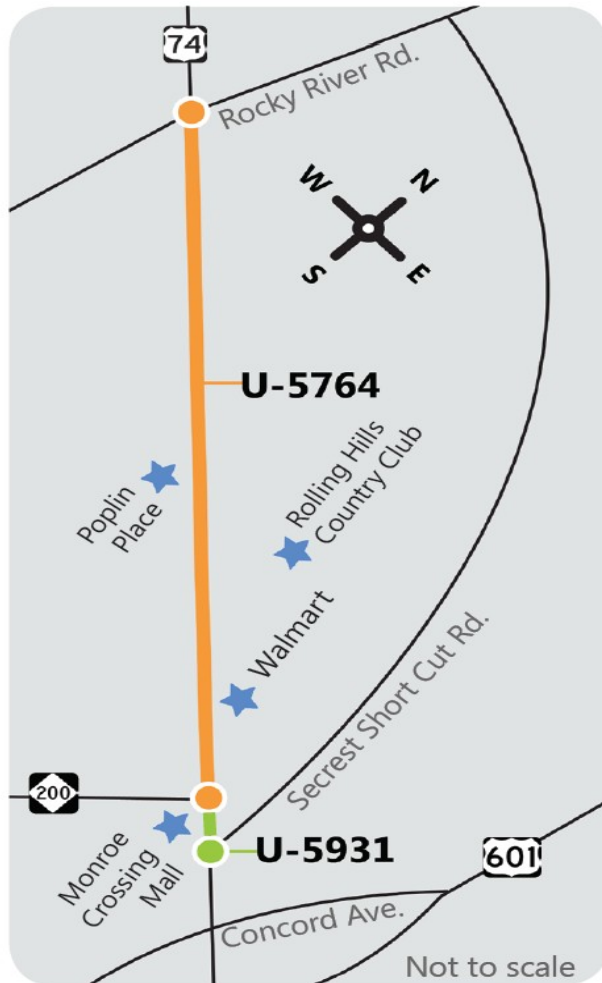
ROW Cost: \$3.5M

**Construction:** FY2025

Con. Cost: \$1.7M



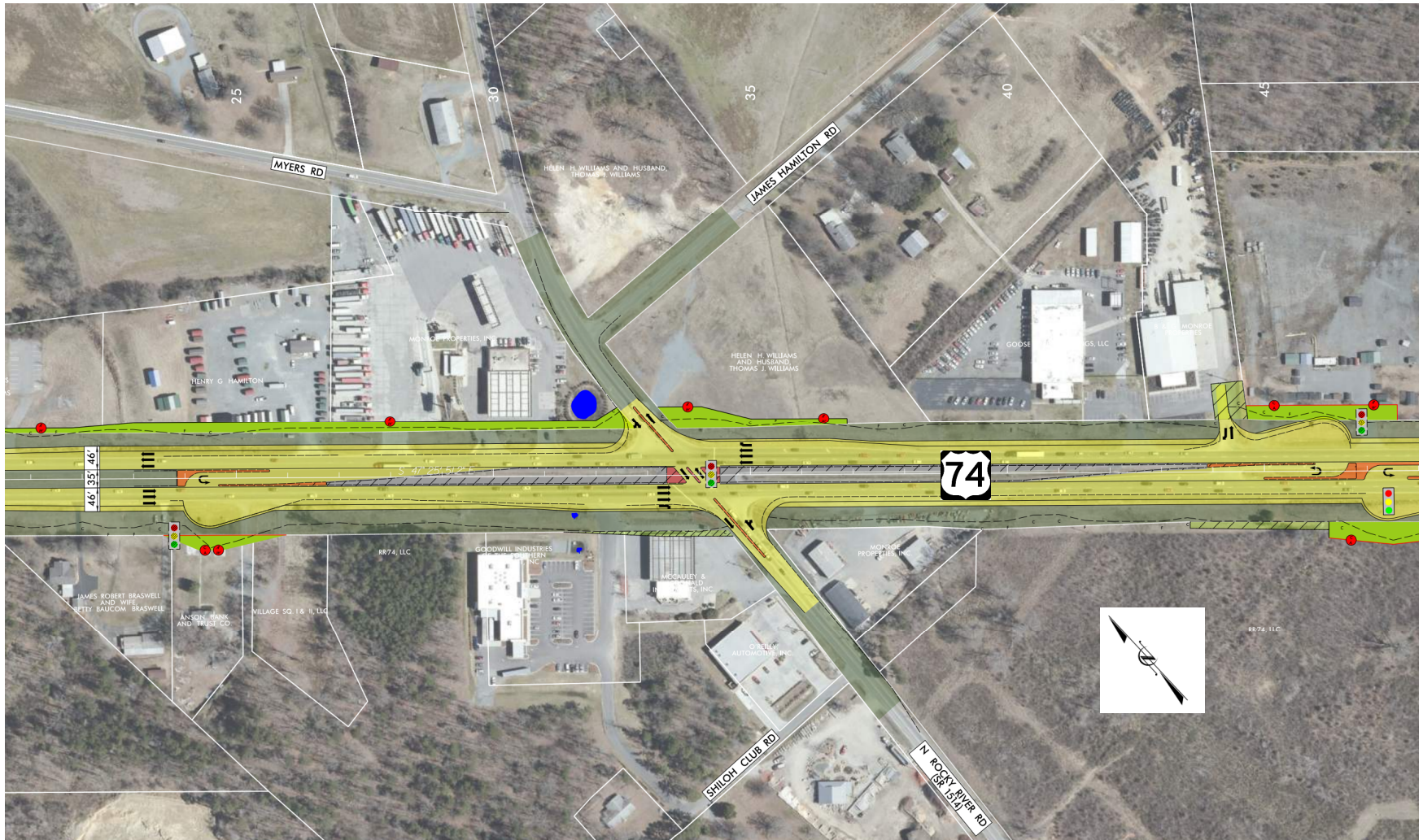
# US 74 Widening Project (U-5764/U-5931)



**Project Area:** US 74 from Rocky River Rd to Dickerson Blvd/Secrest Short Cut Rd  
**Scope:** Widen from four lanes to six lanes with RCI type intersections  
**Right of Way:** FY2025  
**Construction:** FY2028  
**Cost:** \$70.5M/\$6.5M

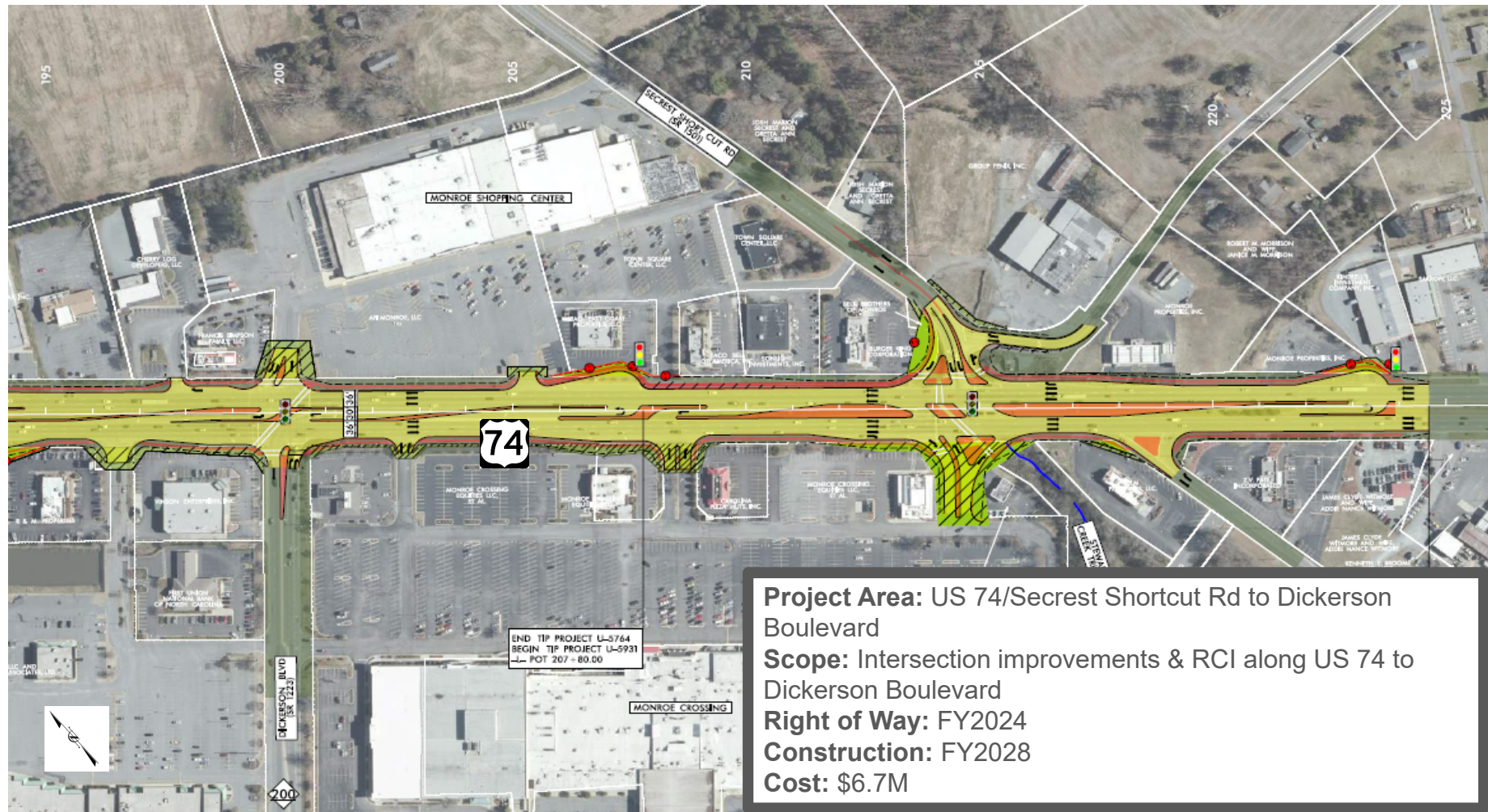


# US 74 Widening N Rocky River Rd Intersection (U-5764)

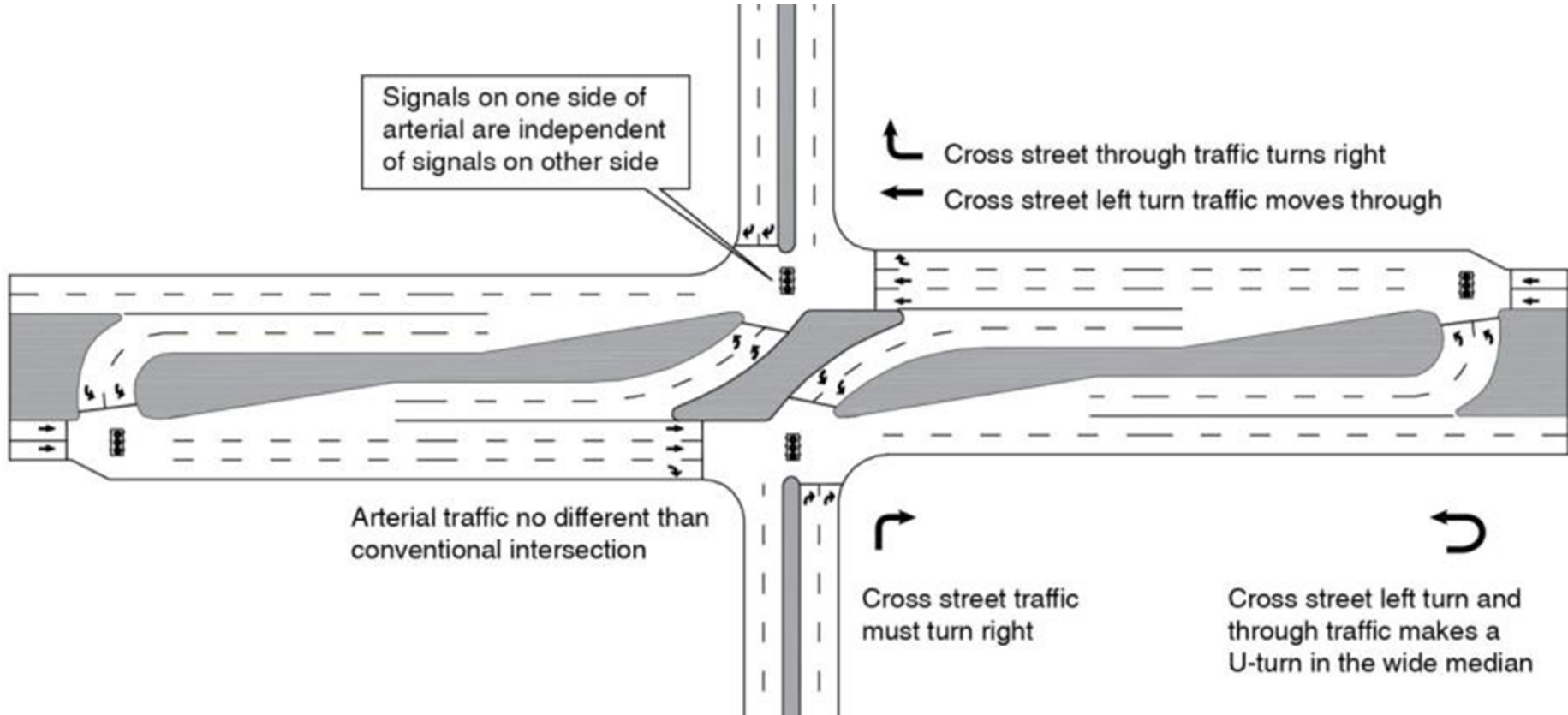




# Secrest Shortcut Rd & NC200 Improvements (U-5931)



# Reduced Conflict Intersection Treatments (RCI)



FHWA uses the term RCUT (Restricted Crossing U-Turn).  
Some states use the term J-Turn, Reduced Conflict Intersection, or Michigan Left.



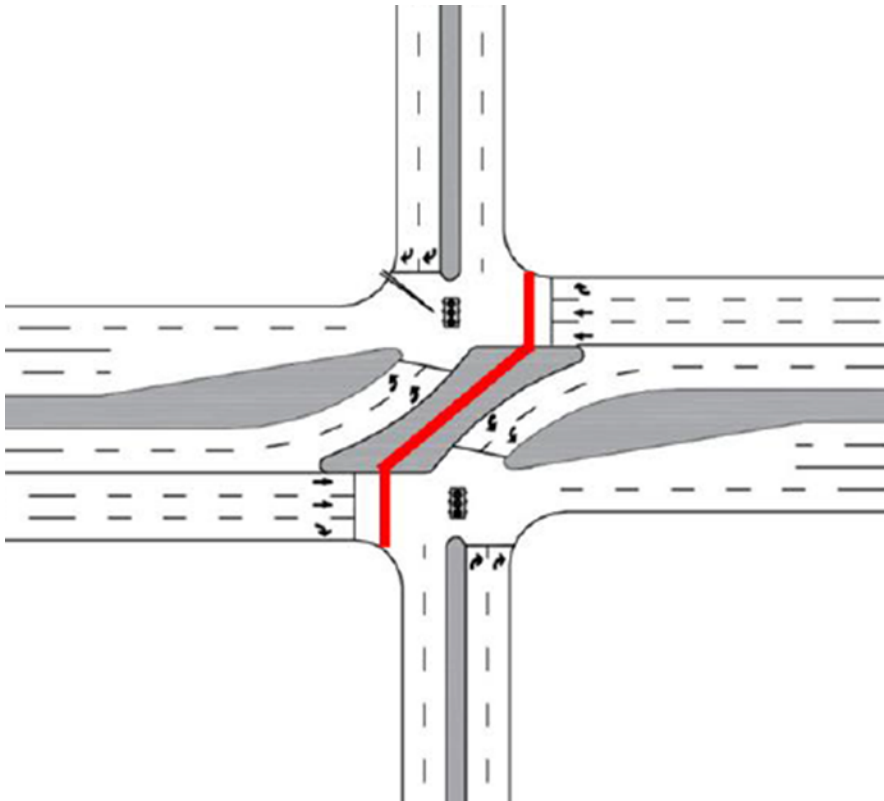
# RCI Type Intersection Benefits

- Improved Safety
  - 15% (signalized) to 46% (unsignalized) total crash reduction compared to traditional intersections
- Improved Pedestrian Accommodations
  - Shorter crossings, opportunity for more crossings
- Reduced delay
- Improved Signal Coordination
  - Can use signal progression to control speeds
- Less right of way required, lower project cost

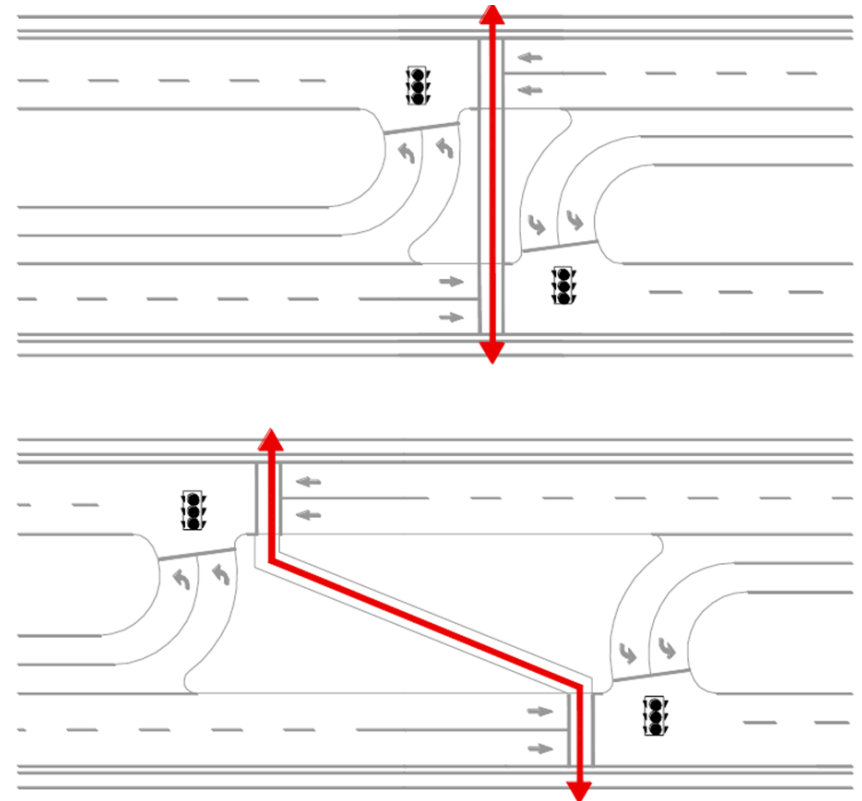
# RCI Type Intersection Benefits

## Improved Pedestrian Accommodations

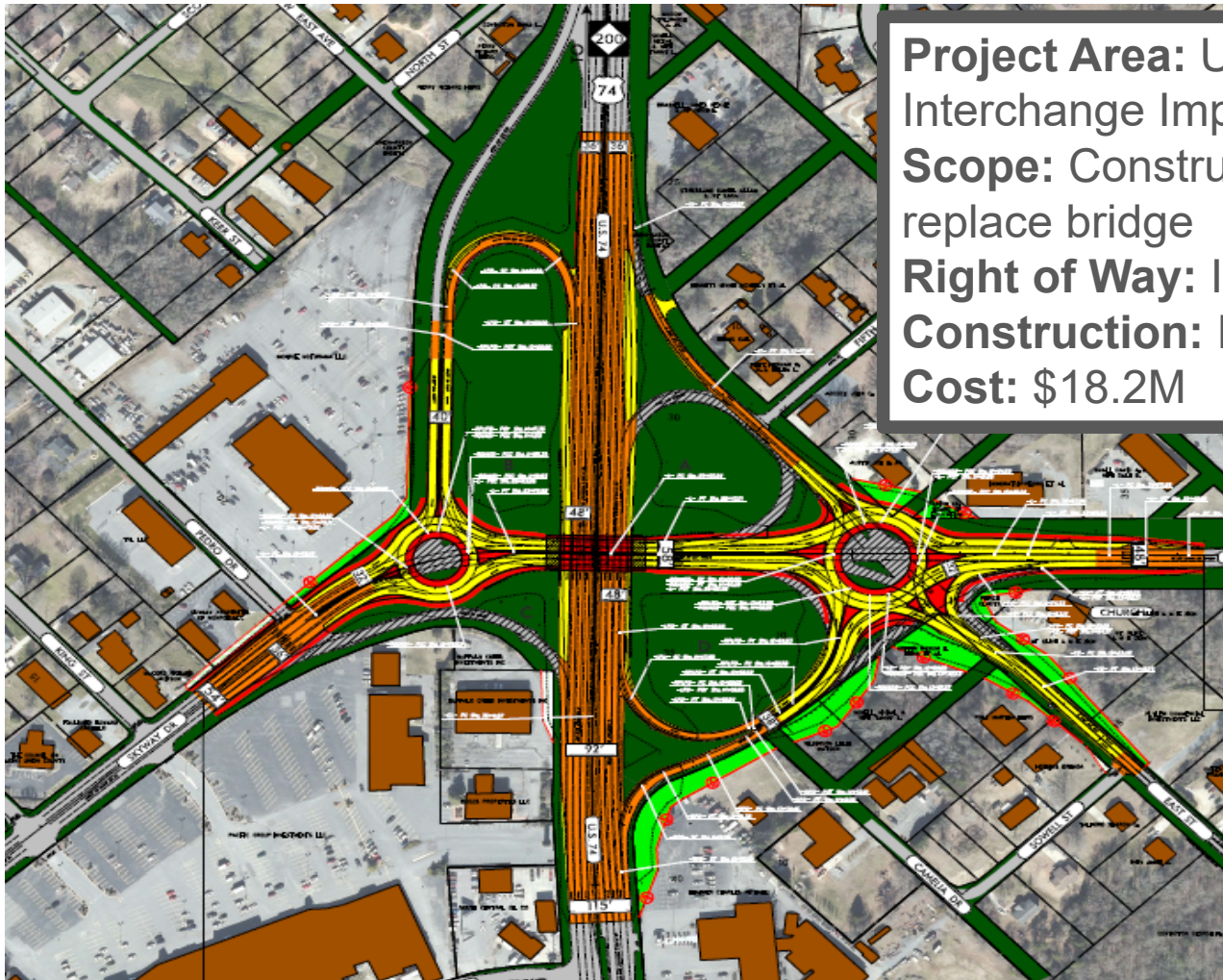
### Intersection Pedestrian Crossing



### Mid-block Pedestrian Crossings



# US 74/US 601 Interchange Improvements(U-5723)



**Project Area:** US 74/US 601

**Interchange Improvements**

**Scope:** Construct roundabouts and  
replace bridge

**Right of Way:** In Process

**Construction:** FY2026\*

**Cost:** \$18.2M

\*New bridge to be raised approximately  
six feet to provide adequate clearance  
over US 74

\*Schedule may need to be adjusted to  
avoid this bridge being replaced at the  
same time as the US 74/Concord Ave  
bridge