



NORTH CAROLINA

Department of Transportation

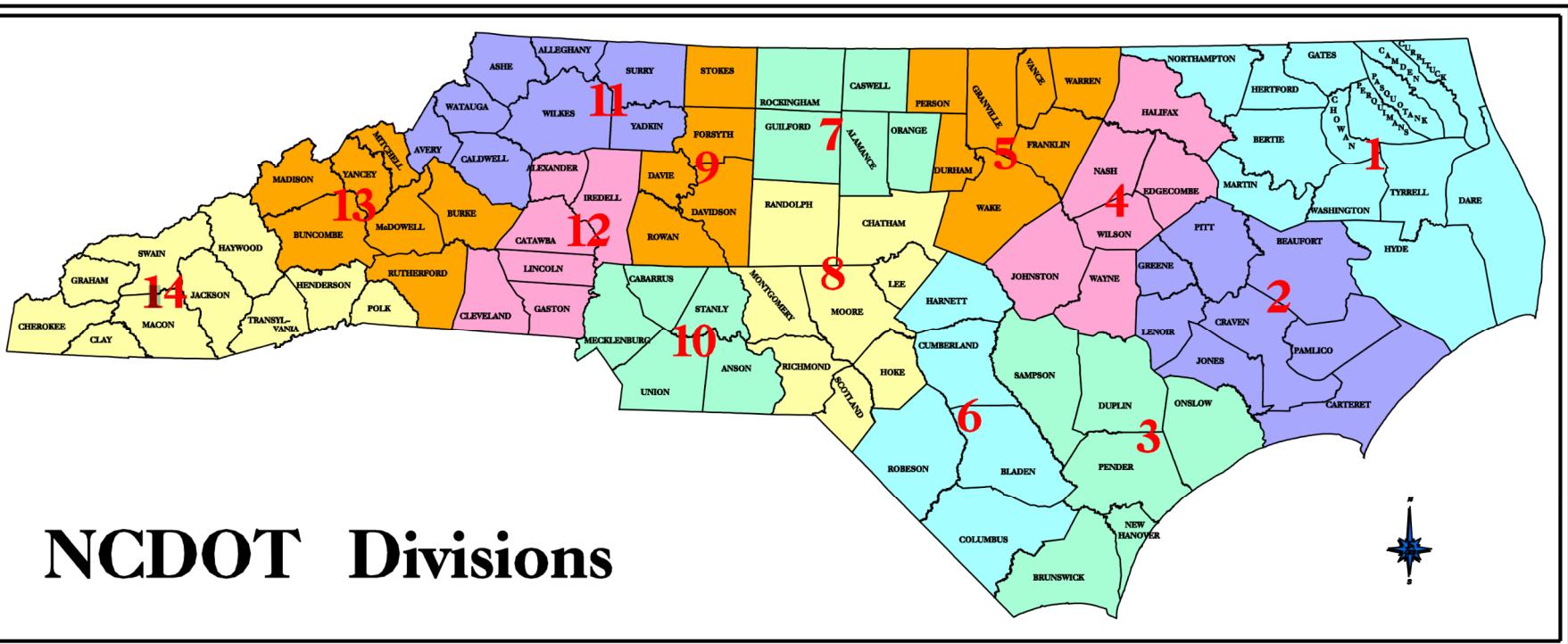


City of Monroe – NCDOT Update

Theo Ghitea, PE

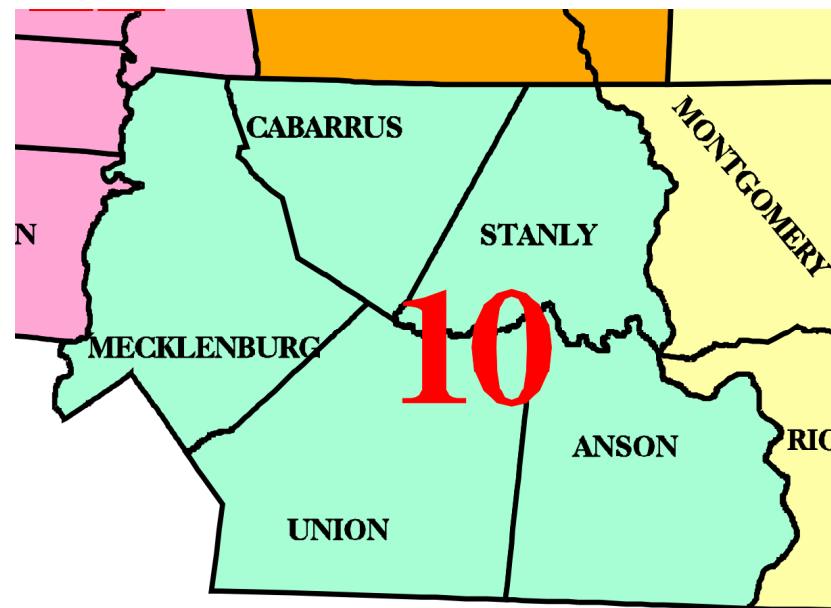
Division 10 Senior Planning Engineer

February 14, 2023

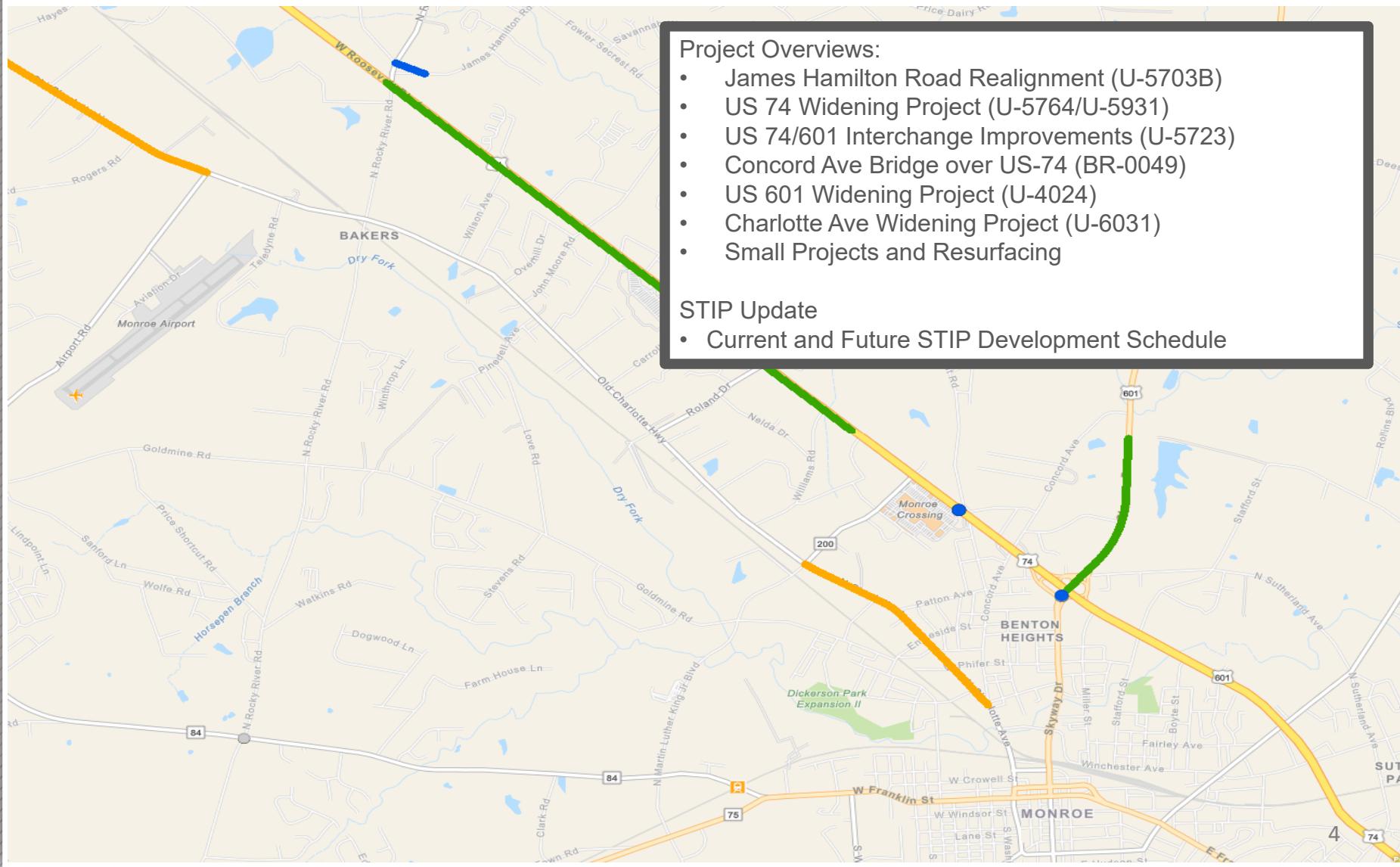


NCDOT Division 10

- 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

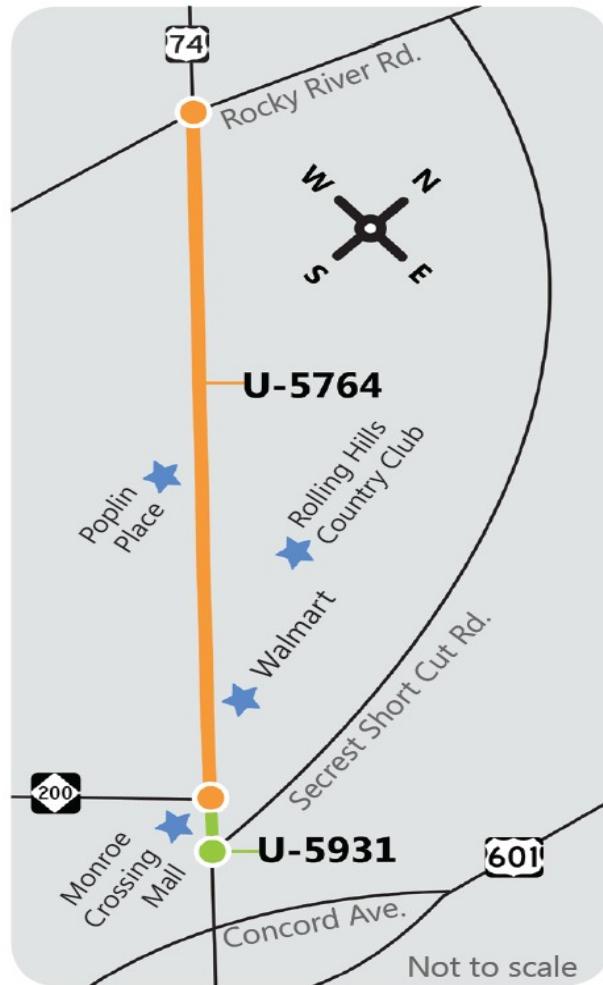


James Hamilton Road Realignment (U-5703B)

Scope: Realign James Hamilton Rd to align with Myers Rd
Right of Way: FY2023
ROW Cost: \$3.5M
Construction: FY2025
Con. Cost: \$1.7M

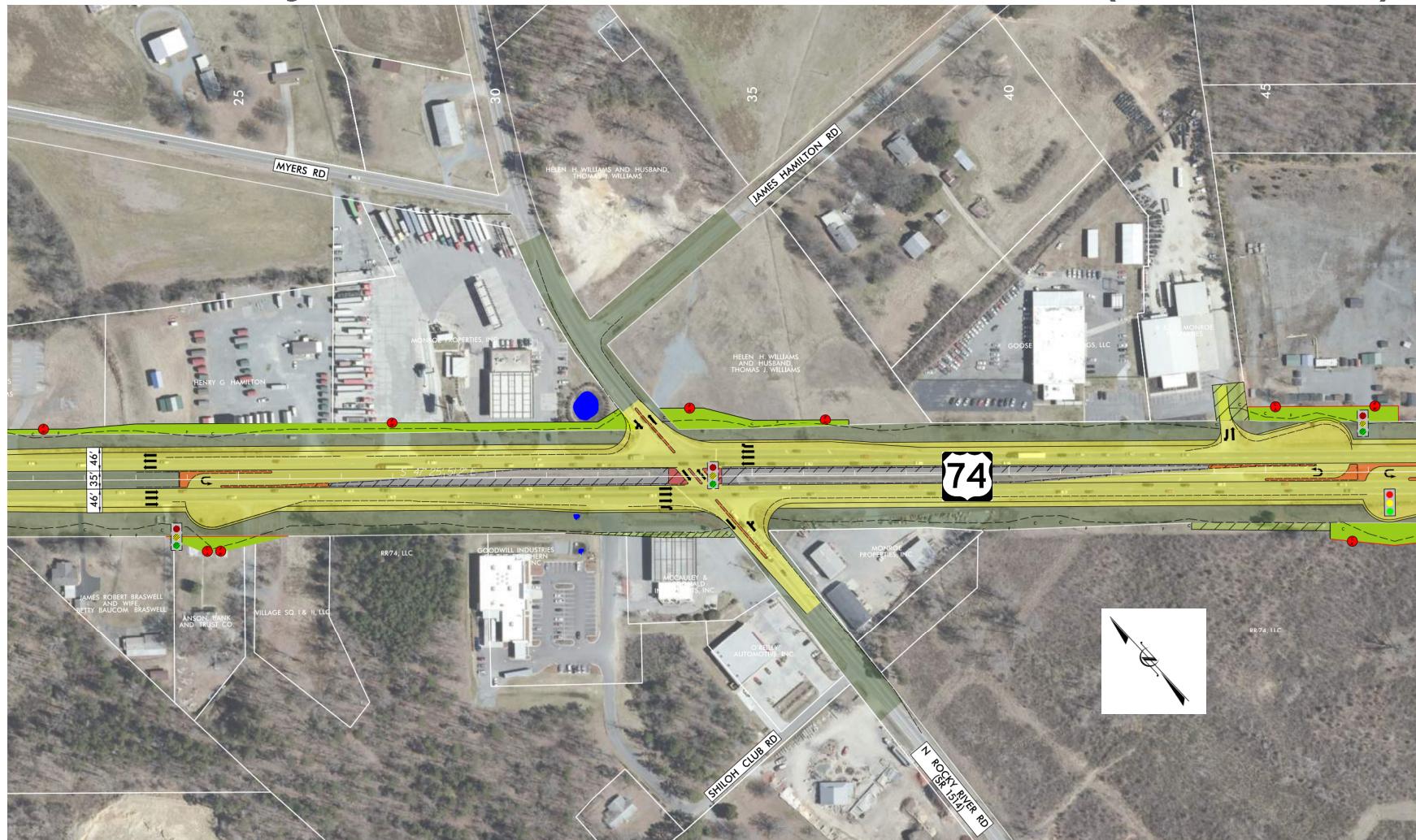


US 74 Widening Project (U-5764/U-5931)



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)



Project Area: US 74/Secrest Shortcut Rd to Dickerson Boulevard

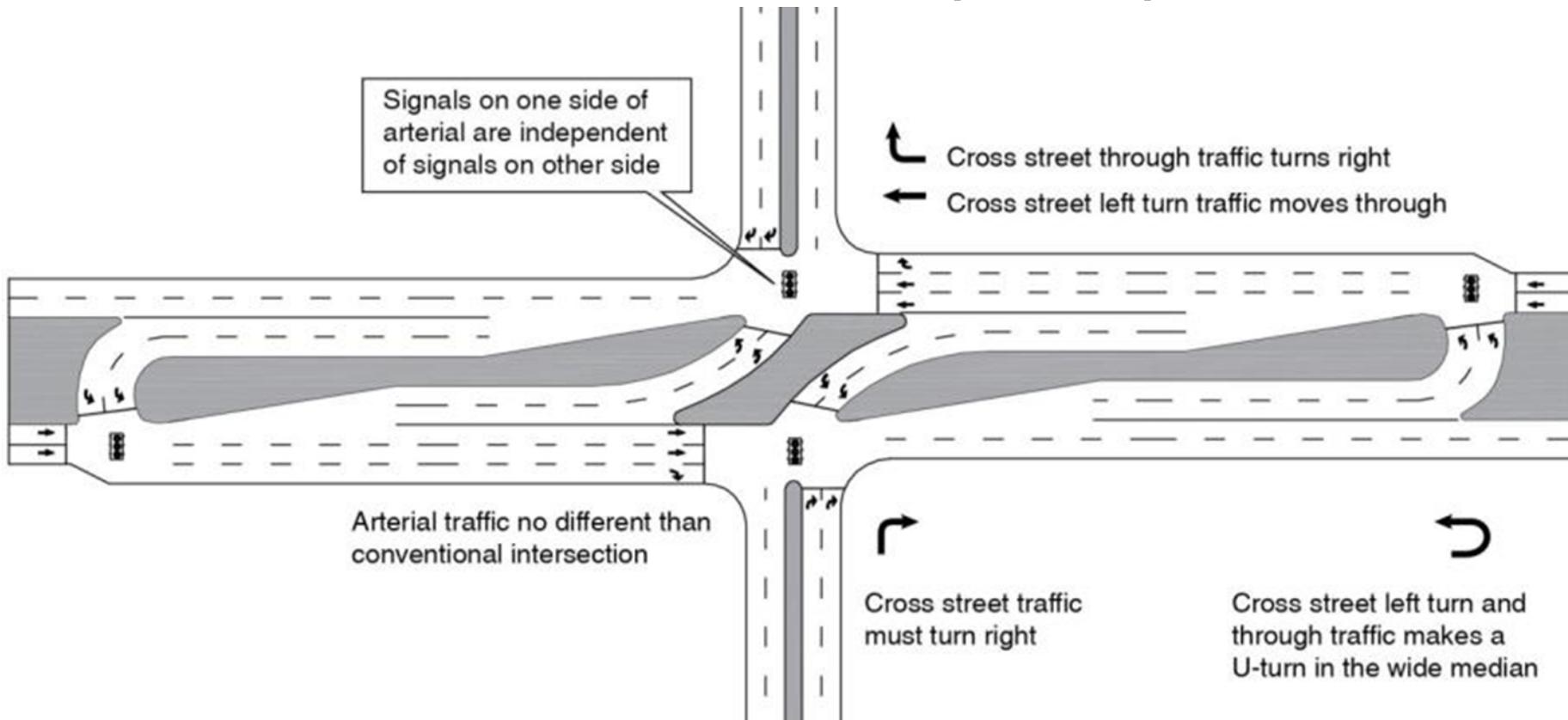
Scope: Intersection improvements & RCI along US 74 to Dickerson Boulevard

Right of Way: FY2024

Construction: FY2028

Cost: \$6.7M

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.

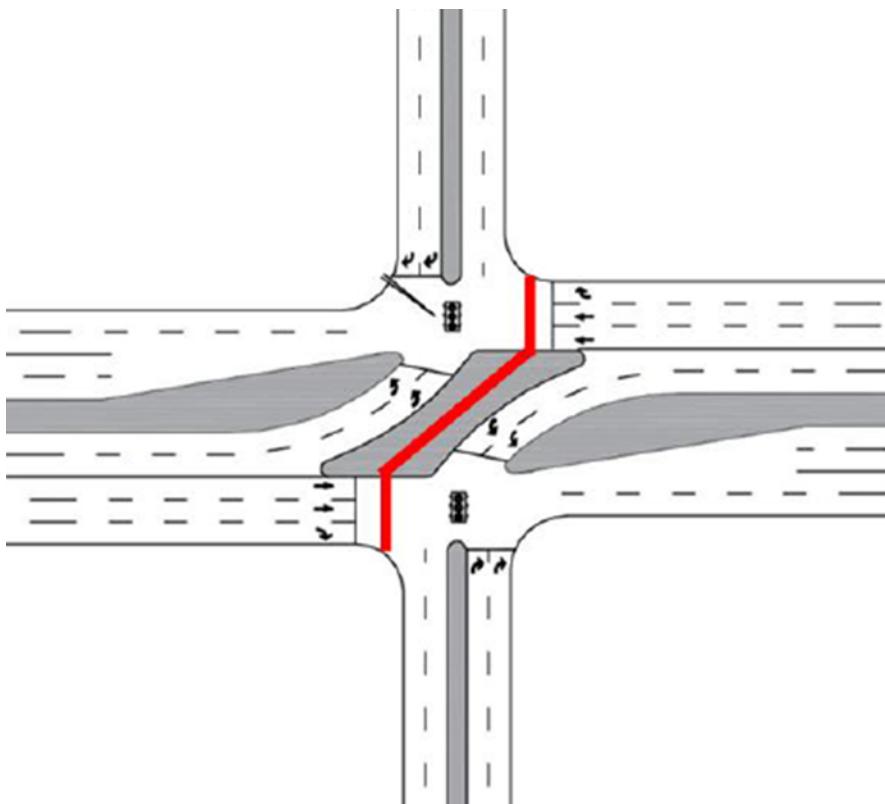
RCI Type Intersection Benefits

- 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

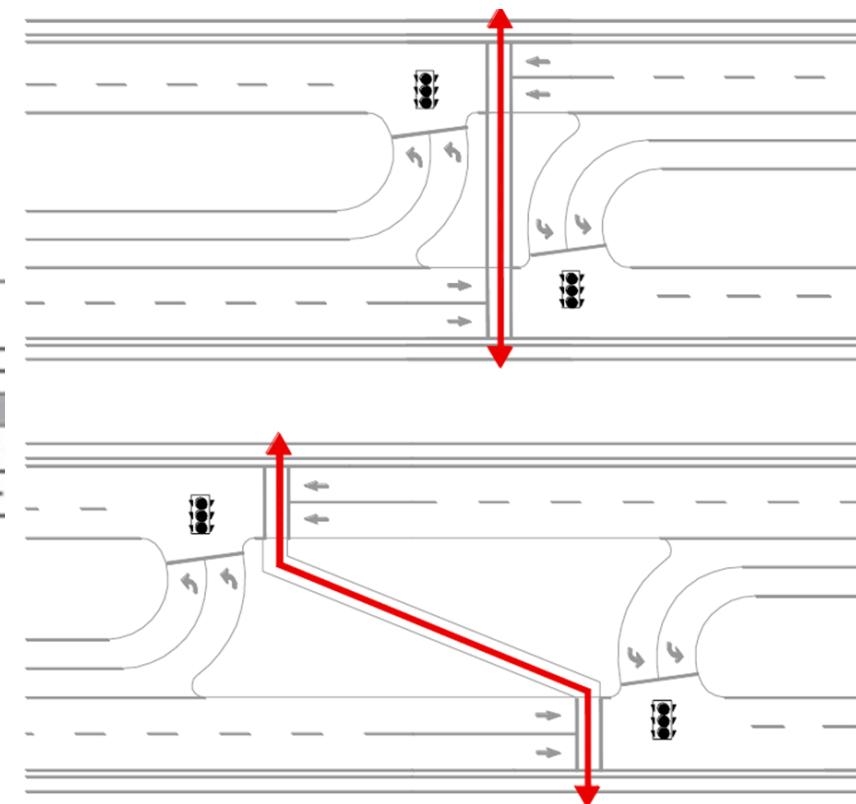
RCI Type Intersection Benefits

Improved Pedestrian Accommodations

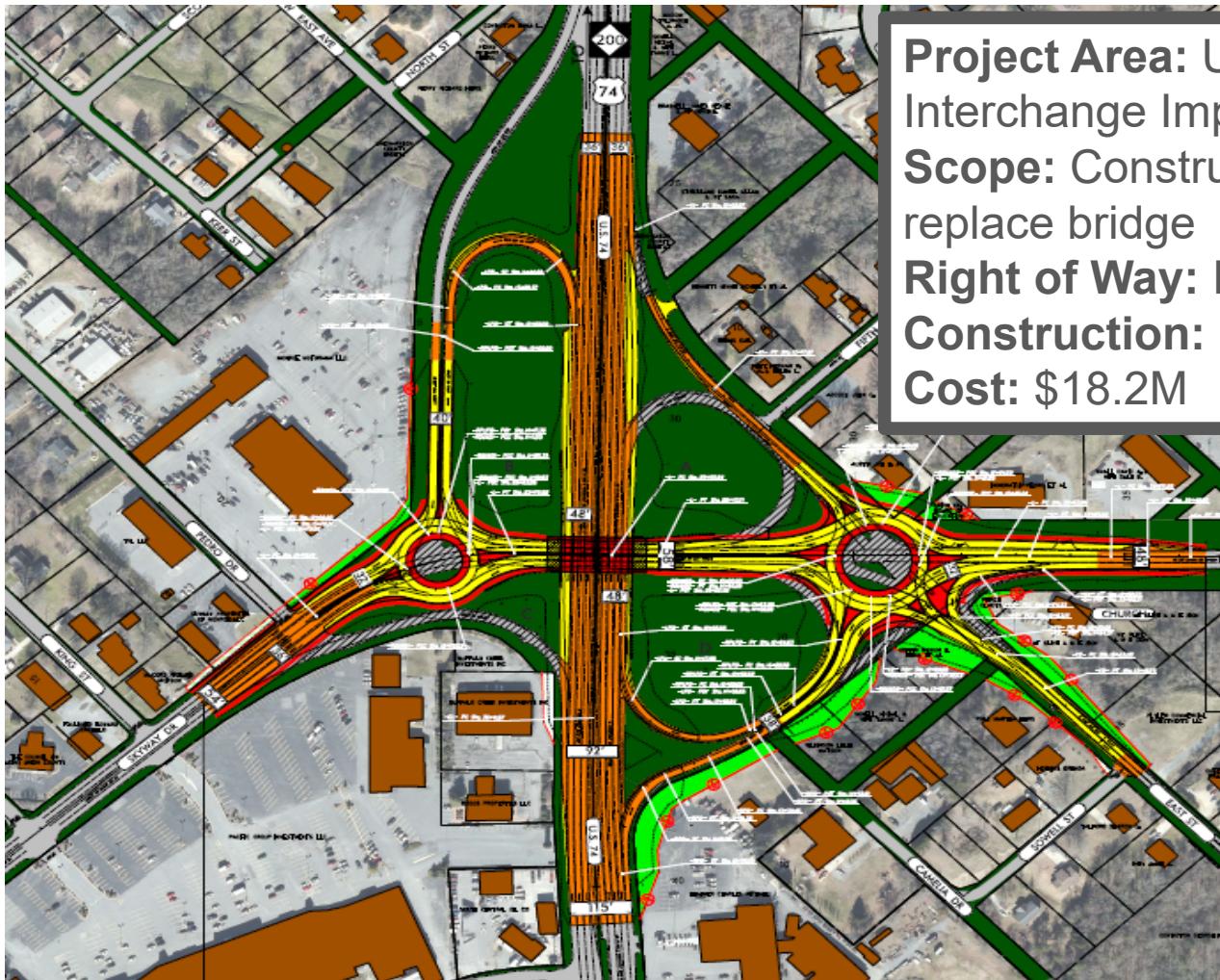
Intersection Pedestrian Crossing



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