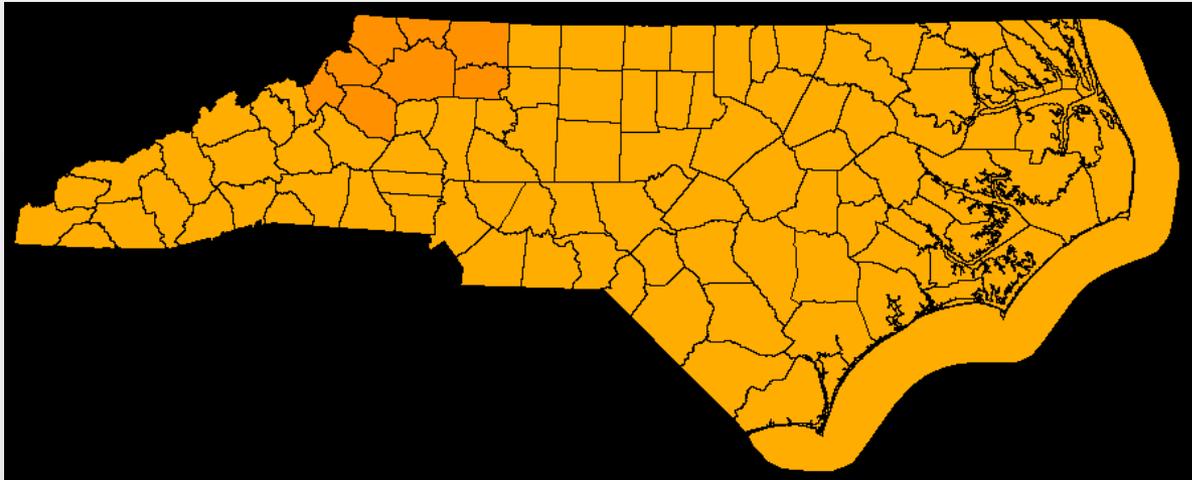


FUNDING OPTIONS FOR COMPLETE STREETS PROJECTS

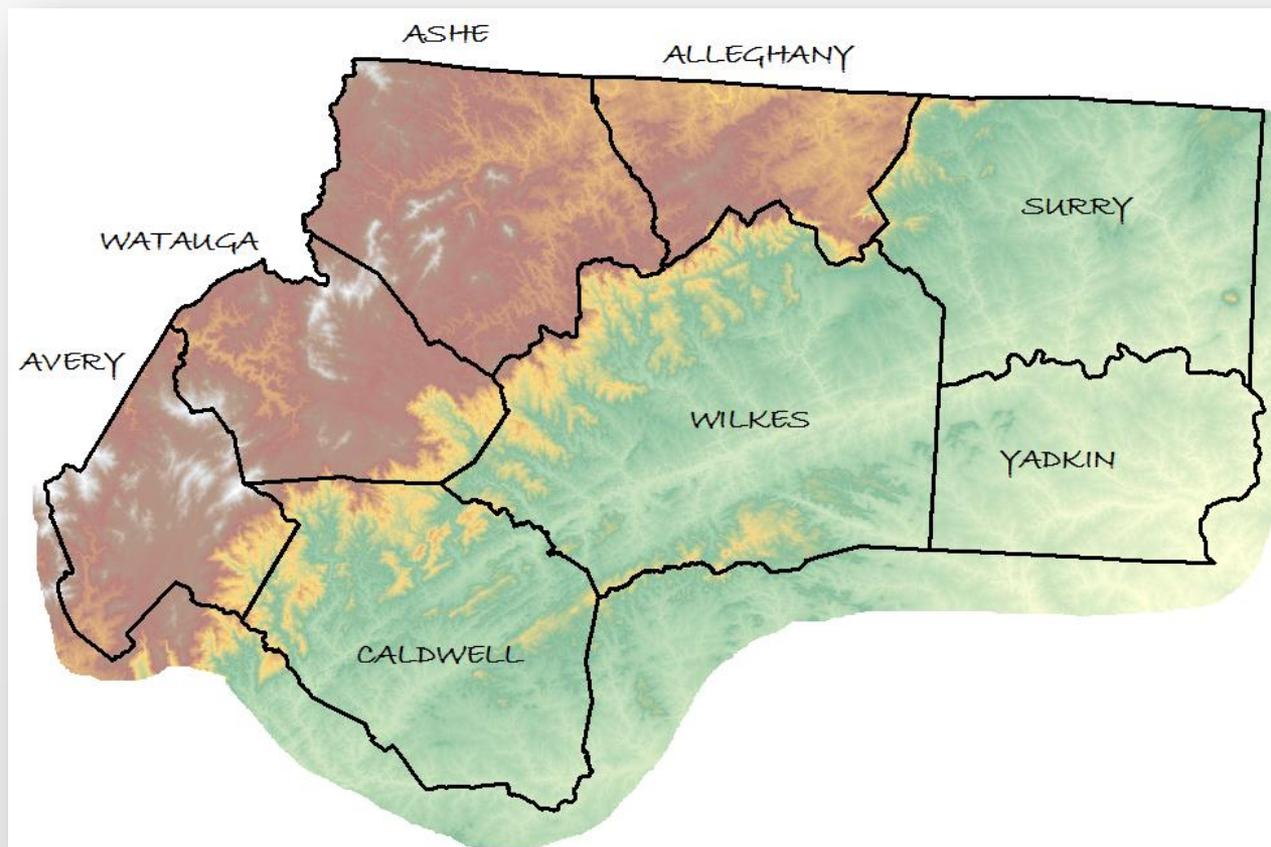
Dean Ledbetter, PE

Senior Planning Engineer

NCDOT Division Eleven



DIVISION ELEVEN



PRESENTATION OVERVIEW

- Sample Complete Streets Projects in Division Eleven
 - Where
 - What—Description of the Improvement
 - Why—Benefits of the Improvements
 - How—Discussion of Funding Sources
-

LENOIR DOWNTOWN IMPROVEMENTS



PHOTO CREDIT: DAVE RHUBERS

LENOIR

DOWNTOWN IMPROVEMENTS

- Reintroduced Two-Way Traffic, Added On-Street Parking, and Streetscaping
 - Downtown Revitalization
 - Resurfacing, Restriping, Signing, and Traffic Signal Revisions Funded by NCDOT
 - Streets were removed from State System
 - Other Construction Funded by City of Lenoir
-

BANNER ELK STREETSCAPE

- Streetscape, Sidewalks, and Pedestrian Signals
- Funded by Town and Transportation Enhancement Program



DOBSON

ROAD DIET WITH NEW BIKE LANE IN ONE DIRECTION

Before



After



DOBSON ROAD DIET

- Converted 4-Lane Roadway to 3-Lane Roadway with New Bike Lane in One Direction
- Narrow Lanes
- History of Crashes in Left Lanes
- Restriped and Signed during Resurfacing Project



NEWLAND RIVERWALK AND STREETScape



- Funded through Transportation Enhancement Program

PILOT MOUNTAIN CURB EXTENSIONS AND CROSSWALKS



PILOT MOUNTAIN

- Constructed Curb Extensions and Added Midblock Crosswalks
 - Enhance Pedestrian Safety and Awareness
 - Town Funds Supplemented with Division Sidewalk and Maintenance Funds
-

BLOWING ROCK STREETScape



- Funded by Town

BOONE HAWK SIGNALS

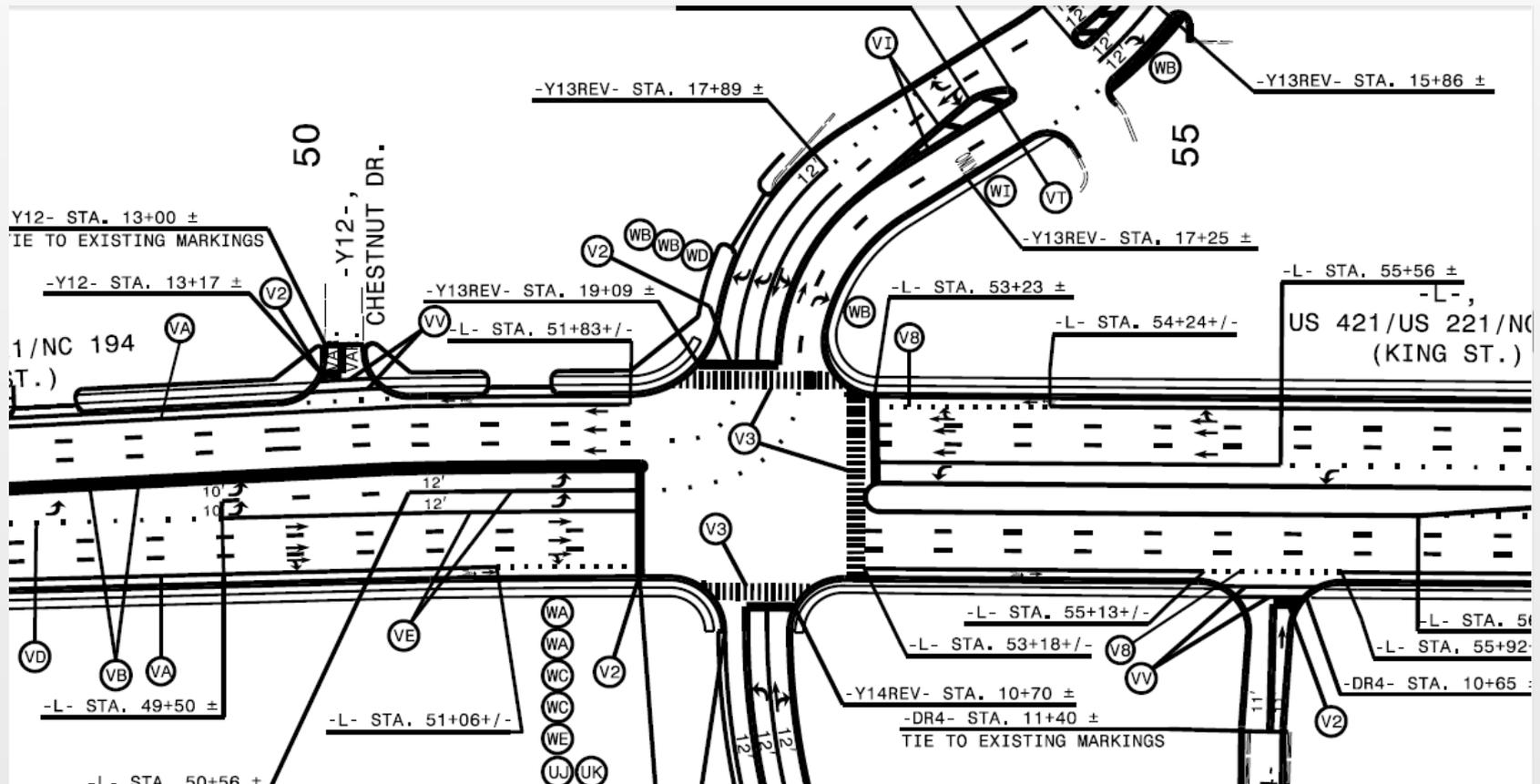


BOONE

- NCDOT's First HAWK Signals
 - Installed to Address Urgent Safety Need
 - New Apartment Complex with No Bus Service on their Side of Four-Lane Roadway
 - NCDOT Installed HAWK Signals with Spot Safety Funds
 - Town of Boone Constructed Wheelchair Ramps and Landing for Bus Stop
 - Second Location Converted from Standard Pedestrian Signal to HAWK Signal with Traffic Signal Operational Funds
-

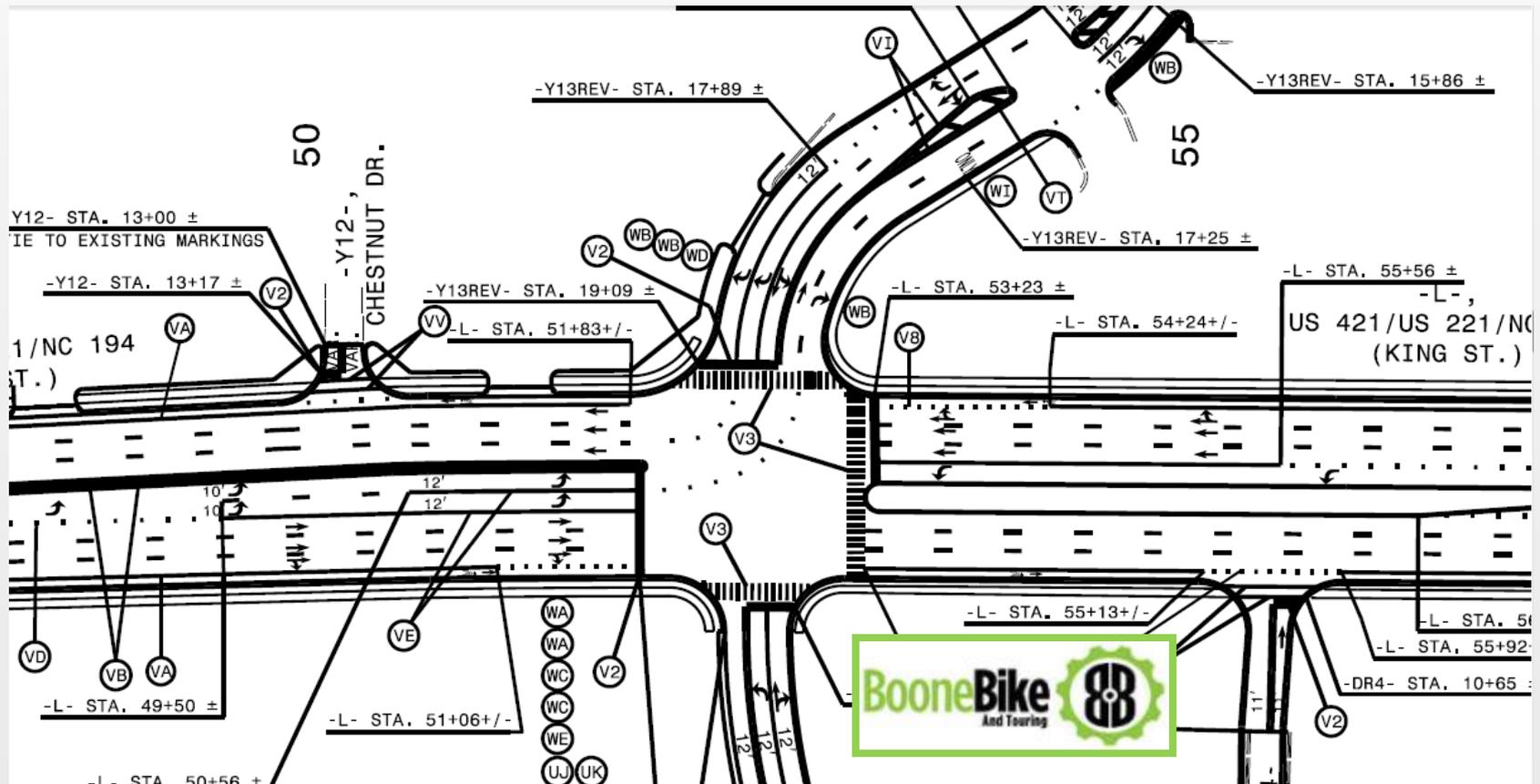
BOONE

U-4020 BICYCLE LANES



BOONE

U-4020 BICYCLE LANES



BOONE

- Bicycle Lanes Added to TIP Project U-4020
- Result of FHWA Training
- Coordinated with Town and Area Cyclists
- Boone Bike and Touring Moved Its Store to this Location
- Funded TIP Project



WEST JEFFERSON



WEST JEFFERSON

- Remove Traffic Signals and Install All-Way Stops
 - Paint “Curb Extensions” and Crosswalks
 - Construct Curb Extensions and Streetscape Later
-
- Desire to Reduce Traffic Speed and Noise
 - Desire to Enhance Pedestrian Safety
 - Desire to Improve Appearance of Downtown
-

WEST JEFFERSON



WEST JEFFERSON



WEST JEFFERSON

- NCDOT Provided \$250,000 in Small Construction Funds
 - Appalachian Regional Health District Provided Funds for Design
 - Town Funded Amenities
 - New River Power and Light Removed Poles and Overhead Lines
-
- Within Two Years, Ten New Businesses Opened
 - \$500,000 in Building Renovations
 - 53 New Employees
-

WEST JEFFERSON



WEST JEFFERSON

- Two Traffic Signals Removed Initially
 - Nine Additional Traffic Signals Removed in Division Eleven
 - Eight Traffic Signals Scheduled for Removal
 - Maintenance Cost Savings of Approximately \$2,300 per Signal Per Year
 - Reduced Labor, Utility, Travel, and Equipment Costs
 - Created an Inventory of Spare Parts
 - More Efficient Use of Resources
-

NORTH WILKESBORO



NORTH WILKESBORO

- Downtown Improvements
 - Converted Main Street and CBD Loop to Two-Way Traffic
 - Added Bicycle Lanes on CBD Loop
 - Replaced Traffic Signals with All-Way Stops
 - Painted “Curb Extensions”
 - Added High-Visibility Crosswalks
 - Town Added New Roadways and Desired Two-Way Traffic
 - Funded with Maintenance Allocation, Small Construction Funds, and Signal Operation Program
 - Town Paid for Traffic Signal Upgrade for New Development
-

GRANITE FALLS

- **Downtown Improvements**
 - Replaced Traffic Signal with All-Way Stop
 - Used Painted Islands to Narrow Road
 - Funded with Traffic Services Maintenance Funds

 - **Lakeside Drive Sidewalk**
 - Serves Middle School, Residential Development, and Park
 - Constructed with Safe Routes to Schools Funds
-

WILKESBORO



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WILKESBORO

- Meadowview Drive Sidewalk Installation
 - Curve and Embankment Limited Sight Distance
 - Serves Community College, Neighborhood, Greenway, and Park
 - Funded with Statewide Contingency Funds

 - Traffic Signal at Tyson Foods
 - Pedestrians Cross Four-Lane Undivided Roadway with Little Driver Compliance
 - Traffic Signal Will Benefit Pedestrians and Motorists
 - Funded with Small Construction Funds
-

PEDESTRIAN SIGNALS



- Dobson / Downtown / Developer Funded
- Granite Falls / Recreation Center – School / Small Construction Funds
- Lenoir / Recreation Center – Neighborhood / Small Construction Funds
- Mount Airy / Downtown / Traffic Signal Operation Funding
- North Wilkesboro / Greenway – Social Agency – Shopping / Small Construction Funds
- Pilot Mountain / Downtown – School / Safe Routes to Schools – Small Construction Funds
- Wilkesboro / Greenways / Small Construction Funds

FUTURE PROJECTS

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This device straps to your back and produces the power to actually lift you off the ground giving you the ability to maneuver and fly in mid-air!

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**COMPLETE
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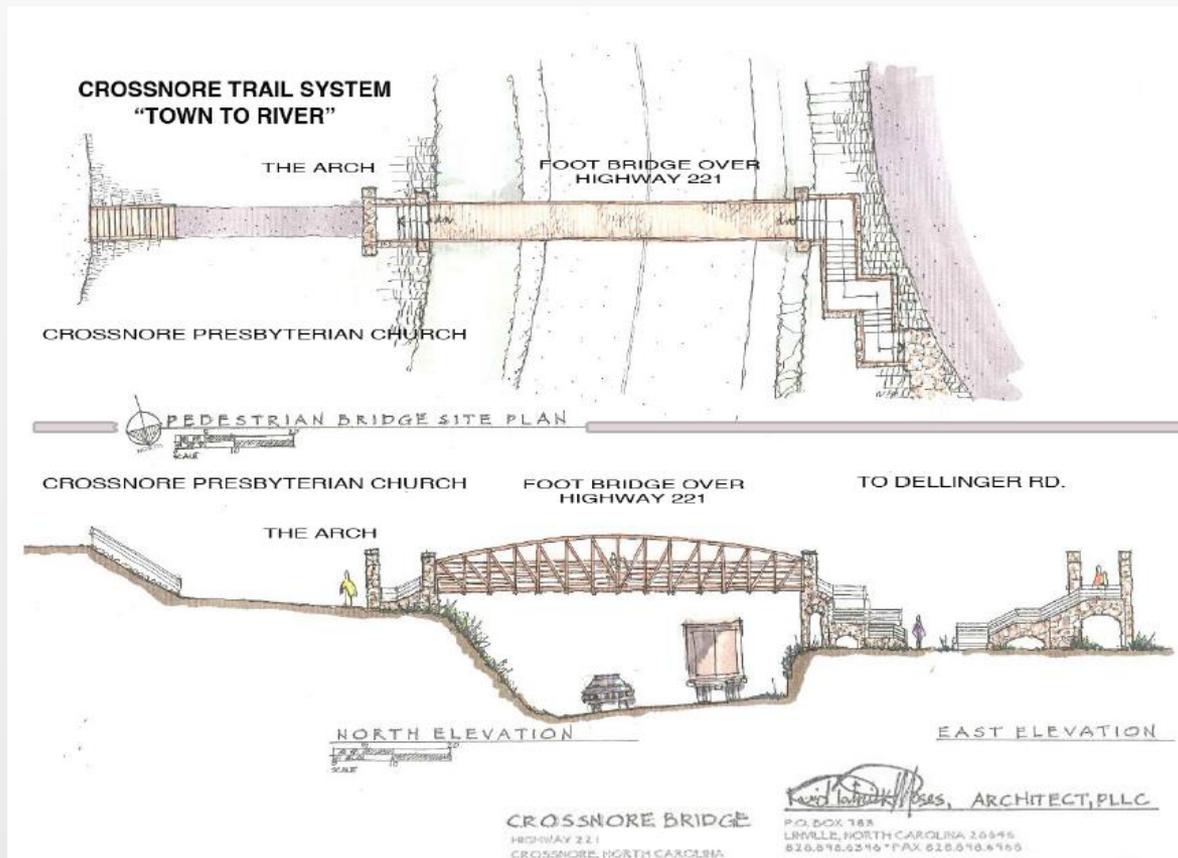
\$19.95

**ORDER
TODAY!**

BEECH MOUNTAIN



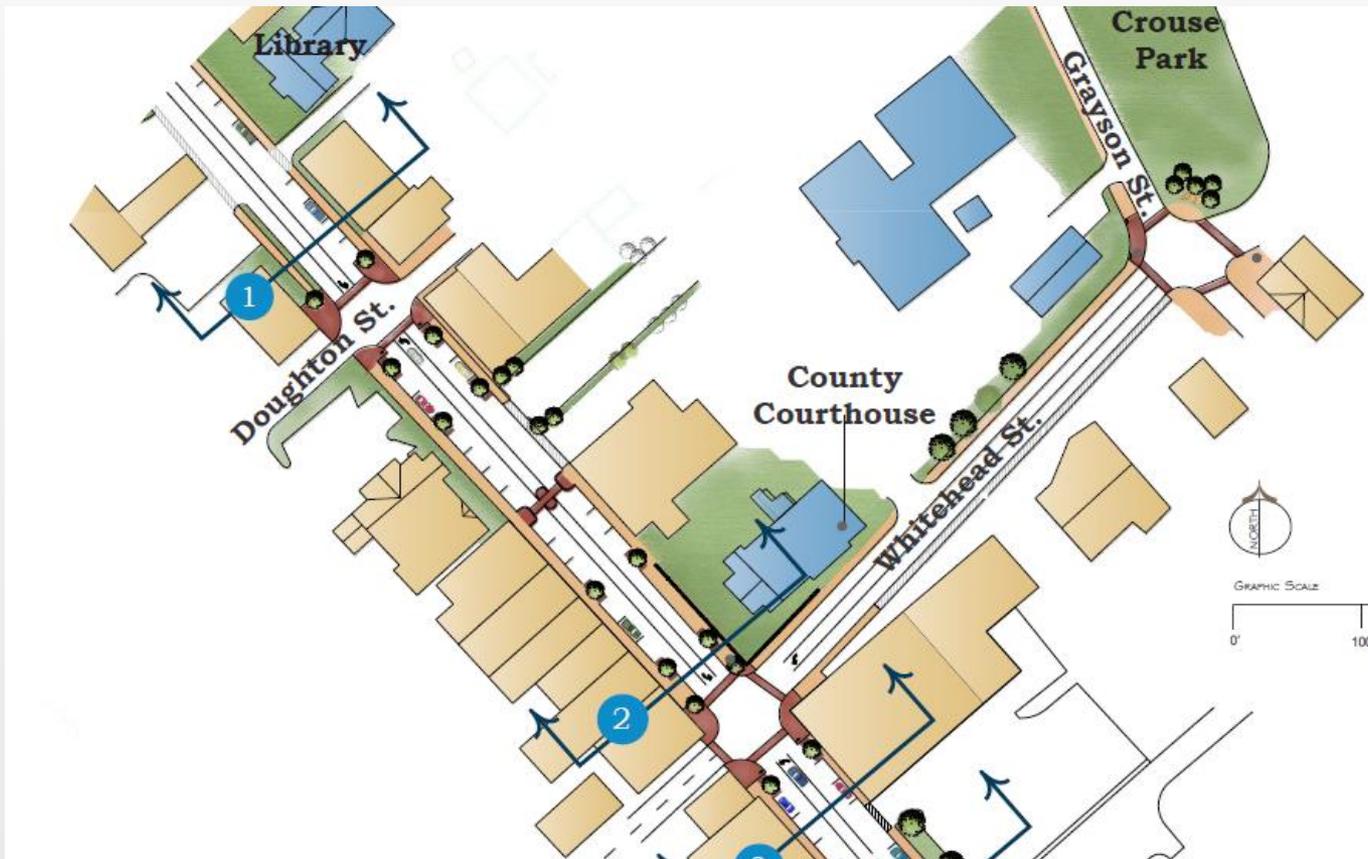
CROSSNORE



ELKIN



SPARTA



WILKESBORO

