

# Bridge Widening Retrofit

## Dedicated Lanes for Foot/Bike Traffic



Tar River, Rocky Mount, NC

### Situation

An existing 620-foot long Highway Bridge in Rocky Mount, North Carolina, was closely examined to determine a safer and easier way for pedestrians and cyclists to cross. City transportation engineers and planners needed a solution that enhanced bridge functionality, personal safety at an affordable cost, and promoted better traffic flow.

### Solution

Our pre-engineered, maintenance-free and light-weight pedestrian bridge system attaches using a cantilever method to the existing piles of a highway bridge. This creates a dedicated lane for foot and bicycle traffic that frees the bridge deck roadway from additional loads. Truck and vehicle traffic flow is vastly improved, and pedestrians and cyclists have a wide and separate lane in which to cross the bridge safely and securely, away from roadway traffic.

### Rationale

Existing bridge structures augmented with MAADI cantilevered walkways facilitate easier commuting and transporting of goods on the main bridge lanes, and create a stress-free open path for pedestrians and cyclists. Bridge widening using our prefabricated solution offers an economical retrofit alternative to total bridge redevelopment by delivering a low-cost, high-strength aluminum footbridge that is easy to install and maintain.

For more information, contact us at [info@maadigroup.com](mailto:info@maadigroup.com) or 514-871-0179

