

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 or 514-871-0179

