



**ALPHA  
PLATFORMS**

WE LIFT YOU ABOVE ALL

# HOW TO INSPECT METAL FATIGUE UNDER A BRIDGE FROM A ROUGH, UNEVEN RIVER BANK IN A COUPLE OF HOURS

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The RFK Bridge (f.k.a. Triborough Bridge) is one of the busiest bridges in the country, connecting Manhattan with its two boroughs, Queens and Bronx. It carries approximately 200,000 vehicles per day.

New York City bridges are some of the best-maintained bridges in the nation, undergoing regular inspection and maintenance. Upon a routine walk-through, structural engineers noticed a crack in the metal pillar construction just under the deck. They needed to get closer to assess the wear and tear and develop a plan of repairs.

## THE CHALLENGE

The crack was in the most inaccessible location: under the deck in the middle of a pillar standing on very uneven ground, above the fence behind the shrubs along East River bank.

Renting a typical JLG was not an option, as the only approach to the site for a trailered JLG was over a curb and down the river bank, a perfect recipe for tipping over the boom lift. Moreover, JLGs have a high risk of tipping over on rough, uneven ground.

One of our clients referred Alpha Platforms as a solution to the engineering firm.



## THE SOLUTION

During the free project feasibility assessment, we were prohibited from parking the boom lift on the asphalt road near the pillar where it would have blocked skaters and runners. So, we decided to park the lift directly under the pillar.

Alpha Platforms dispatched its **A-150**, a 150-foot aerial lift that is our lightest boom lift. The A-Series can safely work on steep slopes of up to 6°, sometimes more, thanks to self-leveling outriggers and extra cribbing.

## THE OUTCOME

Our experienced professional operator lifted two engineers to the observed crack to complete all documentation, including measurements, videos, and pictures. Because the engineers could focus solely on the inspection, their total project time was significantly reduced to a couple of hours.

**Our precise German-made lifts and an all-inclusive operated rental service are the height access method of choice for hard-to-access structures or at extreme heights, as they combine unmatched productivity with safety and comfort.**



To try the same world-class service and equipment, just call or email:

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