



TBTA / MTA RAMP MQ

Service: Design-Build

Value: \$50 Million | Awarded Date: July 31, 2012 | Completion Date: August 2014

CONTRACT | RK-73

PROJECT DETAILS

In June 2012, Halmar International was awarded by the TBTA a \$50 million Design/Build project for the reconstruction of the Robert F. Kennedy Bridge's Manhattan/Queens ramp. The 26-month project to reconstruct the 54,000-square-foot ramp calls for the design and replacement of the existing elevated ramp to meet HS-25 design loads and current seismic standards. Halmar was also responsible for widening a portion of the ramp, closing the gap between the Queens Bronx Mainline and the MQ ramp, designing and retrofit footing, and the replacement of pedestals, bearings, decks and fixtures. Halmar had the task of maintaining two lanes of traffic during peak driving hours, where the ramp carries an

average of 170,000 vehicles daily. Engineers were able to do this by constructing a temporary two-lane wide bridge between the ramp and the main roadway using open, unused space. During the design phase, the team also found concrete in 8 pier caps to be inadequate and negotiated and designed new pier caps without substantially impacting the project schedule. The design/build format has accelerated the overall process so that as portions of the design are completed, construction on those portions begins, saving an estimated year in the overall schedule for ramp reconstruction. The project was completed one month early and under budget.

ACCOMPLISHMENTS

Part of \$1 billion in capital improvement for RFK bridge.

Design of 8 new pier caps during design phase without impacting project schedule.

Maintenance of traffic flow utilizing a temporary two-lane bridge.