

## Yadin Bridges

Haifa, Israel

### Project Description

The Yadin bridges project has alleviated traffic congestion in central Haifa by allowing vehicles to bypass the central part of the city. The project consists of two main parallel segmental bridges and four smaller segmental access bridges. The project's close proximity to the Haifa airport necessitated using an erection gantry instead of cranes to prevent disruptions to air traffic.

### Owner

Israel National Roads Company, Ltd.

### Contractor

Solel Boneh Ltd.

### Designer

ZZZ Engineering, McNary Bergeron & Associates

### Our Role

McNary Bergeron & Associates is partnered with Zachoot Engineering of Tel Aviv, Israel to design all of the segmental bridges as well as provide construction engineering services for the Rupin Interchange. These services include integrated segment shop drawings, construction analysis, step-by-step erection procedures, falsework design, and geometry control.

### Total Contract Value

\$30 million

### Timeline

June 2006 to Mid 2009

### Construction Method and Specifications

The bridges were built using an overhead launching gantry in balanced cantilever. Adjacent boxes were connected using a cast-in-place closure strip.

