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Bridge Inspection Works in Kuwait

Inspection works accomplished in a steel bridge of 13 in total spans having a total length of 220,4m with double traffic branches of width each 12.3m. This specific bridge has been constructed at the end of seventies and consists of simply supported steel beams - 5 beams per span – with lengths vary from 15 till 38m.

Inspection took place by a double Inspection team of ELEMKA inspected in total 260 bearings, 28 expansion joints, 44 piers and several other elements such as steel and concrete, barriers, sidewalks, asphalt pavement, utilities, traffic etc. Inspection was based on National Standards (General Specifications for Kuwait motorway/expressway system) as well as AASHTO LRFD (Bridge Design & Construction, Inspection & Maintenance Manual) & FHWA (National Bridge Inspection Standards).

Evaluation report has been submitted to the Ministry including inspections results and measurements as well as proposals concerning the repair and retrofitting works which will assure the functionality and prolong the service life of the bridge.

We point out that ELEMKA has successfully accomplished up to now more than 300 inspections of structures in Greece and abroad and more than 50 jackings and liftings of superstructures for repair or replacement of bearings.