

HIGHWAY "BASENTANA" 407: VIADUCTS GIANNI, MECCA AND CORONATI

Client

ANAS S.p.A.

Location

STRADA STATALE "BASENTANA" S.S. 407

Duration

2013

Nature of services provided

FINAL DESIGN

SISMIC INVESTIGATION AND TESTING

Main project data

VIADUCT GIANNI PROG. KM 13+275 - 223.00 M

VIADUCT MECCA PROG. KM 13+769 - 196.00 M

VIADUCT CORONATI PROG. KM 14+762 - 224.00 M

Works contract amount

Euro 4.920.000,00



As for Safety measures to be adopted for the viaducts Gianni (Ch. 13 + 275 - 8 spans of 30m each, prestressed concrete beams), Mecca (Ch. 13 + 763 - 4 spans of 33 m each, prestressed concrete beams) and Coronati (Ch. 14 + 762 - 9 spans of 31 m each, prestressed concrete beams) along the SS. 407 "Basentana" road alignment. The planned interventions consist mainly of structural restoration of the bridge decks because of aging and deterioration of the beams in some spans of the cited viaducts. The Repairs interventions has concerned some structural elements (bridge deck without altering substructures):

- Replacing the edge kerb of the bridge and rehabilitation of swings;
- Elimination of the double joint on the bridge pier and construction of a new cantilevered joint relatively to the pier axis;
- External prestressing of the existing beams.



