



KALLIERGOS O.T.M.
CONSULTING ENGINEERING COMPANY

BRIDGE G5 PRECAST POSTTENSIONED BEAMS EGNATIA ODOS

CLIENT:

EGNATIA ODOS S.A

PERIOD:

1998 - 1999

CONTRACTOR:

AEGEK S.A.

DESCRIPTION:

The Egnatia Odos bridge G5 is located at CH 12+300 of section 4.2.2 (Grevena-Kozani) and carries the separated carriageways of the Artery over Kalogyros creek at levels reaching 60m at the deepest point.

The total bridge length of 280m comprises seven equal spans of 40,0m each. The deck structure is formed by four precast posttensioned beam with in situ deck slab which is made continuous over the piers. Deck beams bear via elastomeric bearings on hollow rectangular piers with heights from 20m to 55m.

A combination of spread footings and bored piles were used for pier foundation.

