



Implementation of OVM Prestressing System in Southeast European Infrastructure Projects

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Abstract

Application of prestressing technology during bridge construction impersonates challenge according to all design parameters, using of traditional materials, conditions of environment, composite of steel and concrete materials represent only some of requests which must be fulfilled and enable structure designed service life. Characteristic examples of implementation of OVM prestressing system in southeast European infrastructure projects are described in this paper, where each of it had specific limit in the terms of opportunities of applying of different construction method: movable scaffold system, incremental launching, concrete arch, heavy scaffolding, prefabrication of prestressed girders.

Keywords: prestressing of bridges; infrastructure projects; construction method.