

Muslim Town Flyover, Lahore Pakistan

Concrete Admixtures for Bridge

Plastiment 250* Intraplast Z Sikadur 31





Muslim Town Flyover

Construction of 2655 meter flyover in 177 days with Sika Admixture

Project:

The Muslim Town flyover project involved construction was already working of a flyover along Ferozpur Road at Canal/ Wahdat with road junction. The project was a huge task and a challenge Habib to complete within the time frame given the quantum of there and they had a work involved.

It was imperative for the Contractor, National Logistics of Sika product quality Cell (NLC) to construct the Flyover within 5 months period as the heavy traffic at intersecting road could not be diverted for long. As proposed by the Consultant Nespak, Sika Solution:



heavy flow at the The flyover The construction of ma Flyover. inaugurated on 21st EN 934-2:2001. April 2012.

Project Requirements:

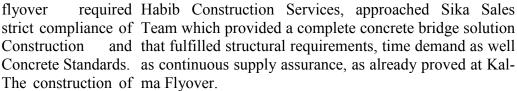
The project consists of three bridges of total 2655 meters length, The structures consist of massive reinforced concrete piles, piers, transoms, I&L-shape pre-stressed girders, box girders, and deck slab, with a structural requirement of Concrete with compressive strength of 4000 Psi and one hour retention. Alongside this, one percent expansion for prestressing cable ducts was required.

Another requirement was to bond the bearing pads with concrete, with minimum bonding strength of 3 n/mm². and compressive strength of 34 n/mm² at 45°C.

The Kalma Flyover served as reference project as Sika

Nespak construction hands-on experience and smart solutions.

Sub-Contractor



project started on Sika Products proposed by the Sika Sales Team include 28th October 2011 Plastiment PR 250*, a Concrete Plasticizer used for all and Flyover was types of concrete, with compliance to ASTM C-494 and

> Intraplast Z, to provide one percent expansion to cable grouting mortar within pre-stressed cable ducts.

> Sikadur 31 CF Slow, to achieve the adhesion of more than 4 n/mm² and compressive of strength 45 n/mm².

> Sika Solution was highly appreciated by the project team, as it complied fully with the project demand leading to construction of 2655 meter flyover in 177 days.

Project Participants:

Project Name: Muslim Town Flyover Project Owner: **Communication and Work**

Department, Government of Punjab

Consultant: Nespak

Contractor: **National Logistic Cell (NLC) Habib Construction Services** Sub Contractor:

