



# **SIKA AT WORK**

## **LOS DRAIN PROJECT LAHORE**

**REHABILITATION OF LOS DRAIN WITH CONCRETE  
ADMIXTURES, BONDING AGENT & EPOXY GROUTS**

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## REHABILITATION OF LOS DRAIN WITH CONCRETE ADMIXTURES, BONDING AGENT & EPOXY GROUTS

### Project:

LOS drain is a revised project for the expansion of Nalay Wali Sarak between LOS Stop on Ferozpur Road and Multan Road. The length of the road is 2.1 km with (4+4) lane carriageway and the width of each carriageway is 12 metres connecting Ferozpur road and Multan road. Under the project, the Cantonment Drain, passing through this congested area was covered and made part of the existing road forming a three-lane dual carriageway. This road then catered to a traffic load of over 50,000 vehicles per day. The project enhanced the capacity of the existing drain in such a manner that two conduits were constructed, one for sewerage and the other for storm water. The project also included improvement of existing road and construction of missing links between Multan Road and Poonch Road Bridge, Chaudhry Colony and Ferozpur Road. The bridges at the junctions were widened along with road safety devices. Keeping in view the traffic pressure, the authority decided to revise this project in the larger public interest.

### Project Requirements:

Under the project, the existing more than four kilometres long road alongside the Samanabad Nullah to Gulshan e Ravi would be rehabilitated and widened upto 60 feet consisting three lane from each side. As the rehabilitation process included concrete structures, several admixtures were required to attain strong adhesion, bonding and water content reduction. A bonding agent used for bonding of old to new concrete was also demanded by the client which also, provides protection to the steel. Sika's sales team visited the site, did a detailed survey and recommended a complete range of products that fulfilled the projects's requirements.



### Sika Solution:

In order to meet to the demand of the project in the utmost manner. Sika Sales Engineer recommended its reliable construction solutions. Sikament®-520 BA was recommended which is a highly effective water-reducing agent and super plasticizer for the production of high quality, free flowing concrete in hot climates. The dual action of Sikament®-520 BA promotes accelerated hardening with high early and ultimate strengths. In addition to this, Sikament®-512 PK was recommended which is a high-range water reducing plasticizer and retarder.



Sikament®-512 PK is used wherever high quality concrete is demanded under difficult placing and climatic conditions. In order to meet the grouting needs of the project, SikaGrout®-114 was recommended which is a cementitious, economical, non-shrink precision grout with high ultimate strength. SikaGrout®-114 is used for grouting machine foundations, columns in pre-cast construction, concrete anchors, cavities, gaps and recesses, base plates and general concrete repairs. Lastly, SikaTop® Armatec® 110 Epocem® was recommended which is a cement-based, epoxy-modified, three component, anti-corrosive coating and bonding agent. It is used as an anti-corrosion coating for reinforcement steel, for repairs to reinforced concrete where there is corrosion of the underlying reinforcement steel.



LOS Drain under Construction

**Project Name:** LOS Drain Project Lahore

**Project Owner:** Lahore Development  
Authority

**Consultant:** Nespak

**Contractor:** ZKB Reliable JV

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