Repair
All loose and deteriorated concrete was removed back to sound concrete. Structural cracks in the structure were pressure injected and repaired with Sikadur 35 Hi Mod LV, a low viscosity epoxy structural epoxy resin. Non-moving cracks were routed and sealed with Sikadur 51SL, a semi-rigid, flexible epoxy resin. On horizontal areas the damaged concrete was replaced with SikaRepair 222 and in vertical and overhead applications SikaRepair 223, a non-sag, high build cementitious mortar was used.

Protection
All deck waterproofing was done using Sikadur 22 Lo Mod, a two component 100% solids, low modulus epoxy resin, which was broadcast with a 12-40 grit Black Beauty to provide an attractive, highly durable, anti-skid waterproofing wearing course.

Expansion and control joints were reflected through the Sikadur 22 Lo Mod and sealed with SikaFlex 2C SL, a two component self-leveling polyurethane sealant.
For Parking Structures
Sika’s System Approach to Concrete Repair and Protection

Anti-Corrosion Primer and Bonding Bridge
*Sika Armatec® 110 EpoCem®* - protects the steel from corrosion in areas of inadequate cover. Improves bond of repair mortar to both substrate and steel.

High Performance Repair Mortars
*SikaTop® Plus mortars* - two component polymer modified materials containing Sika FerroGard 901 corrosion-inhibiting admixture.

Corrosion-Inhibiting Impregnation
*Sika FerroGard® 903* - spray-applied to protect areas outside the repair zone against future damage. Proven to penetrate and reduce corrosion effects of carbonation and salt exposure.

Surface Leveling/Pore-Filling Mortars
*SikaTop® leveling mortars* - achieve a level surface by filling pores, bugholes, or other irregularities in the surrounding substrate.

Anti-Carbonation Coatings
*Sikagard® 550W and 670W* - protect concrete facades from the damaging effects of carbon dioxide (carbonation), water and pollutants. Either crack-bridging (550W) or rigid (670W), both are available in a variety of decorative colors.

Joint Sealing/Waterproofing
*Sikaflex® High Performance Sealants* - premium-grade polyurethane joint sealants that are fully compatible with Sika’s concrete repair systems.

Epoxy Injection and Bonding
*Sikadur®* epoxy resins help restore structural integrity by injection of cracks and voids. The most comprehensive range of epoxy products for structural bonding and grouting.

Structural Strengthening Systems (FRP)
*Sika CarboDur® & SikaWrap®* - a proven system of external strengthening using carbon fiber laminate strips, carbon fiber fabric, and glass fiber fabric. Stronger than steel yet lightweight and non-corrosive, these system components can solve unique strengthening problems in a variety of concrete structures.

1-800-933-SIKA NATIONWIDE
Regional Headquarters and Sales Centers
For the location of your nearest Sika sales office, contact your regional center.