

## Sukkur Bypass connecting N-5 with N-65 for National Highway Authority (NHA)

Sukkur Bypass Client National Highway Authority Cost Rs. 1924 million Length 11.30 km Sukkur Bypass is 11.30 km long four lane divided controlled access road connecting N-5 with N-65. The pavement consist of aggregate base with asphaltic concrete. The major bridge is on River Indus downstream of Sukkur Barrage with a length of 1.600 km. The bridge is founded on 2 m Concrete piles with transom and superstructure consisting of 36 spans of 43 m length, with six girders per span and transversely stressed deck slab. There are seven (7) bridges on canals and one bridge over railway track from Sukkur to Shikarpur. Construction cost of project is \$ 25.500 million, funded by GOP/ADB. This project has been fully designed by A. A. Associates and vetted by COWI of Denmark. The construction supervision has been provided in association with COWI. The above data provided related only to services of A. A. Associates and does not include any cost or input of COWI. National Highway Authority appointed A. A. Associates for the planning and design of the project and appointed COWI-Denmark and A. A. Associates to provide Project Management and Construction supervision services for the project. Services Provided are:

- Planning, Detail Design, Reports, PC-I and Tender Documents.
  
- Contract management and administration.
  
- Variation Orders and Claims
  
- Construction Supervision of Works, quality control measurement of works, certifications for payment, issuance completion certificates. 5. Assisting client in land acquisition, utilities removal and coordination with government agencies.