S Forouzan-sepehr's Professional Experiences

(Bridge Design Engineering, Structural Engineering Team Leading)

HEXA CONSULTING ENGINEERS

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Hexa Consulting Engineers

Hexa Consulting Engineers was founded in 1965 and since then has provided consultancy services to government departments, private clients and contractors. The firm specialises in the design and supervision of construction of heavy civil engineering works. To date, the firm has been responsible for the design and/or supervision of construction of over 160 important bridges, 600km of roads and motorways, 230km of railways, several tunnels, interchanges, underpasses, metro stations and commercial buildings.

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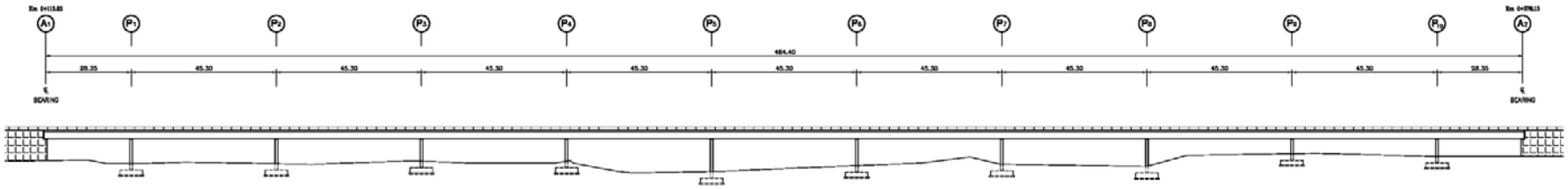
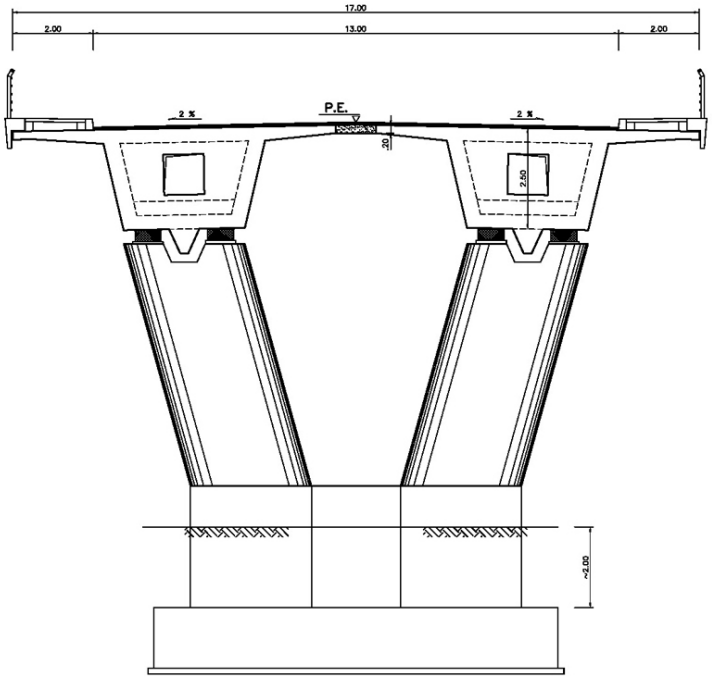
S Forouzan-sepehr's Responsibilities at Hexa Consulting Engineers

Team leading, participating in directing the IT department, project managing, designing and controlling prestressed/reinforced concrete and box-girder highway/railway bridges, lecturing short-courses on bridge engineering in workshops since May 2003.

Dezful 5th Bridge



BRIDGE ELEVATION

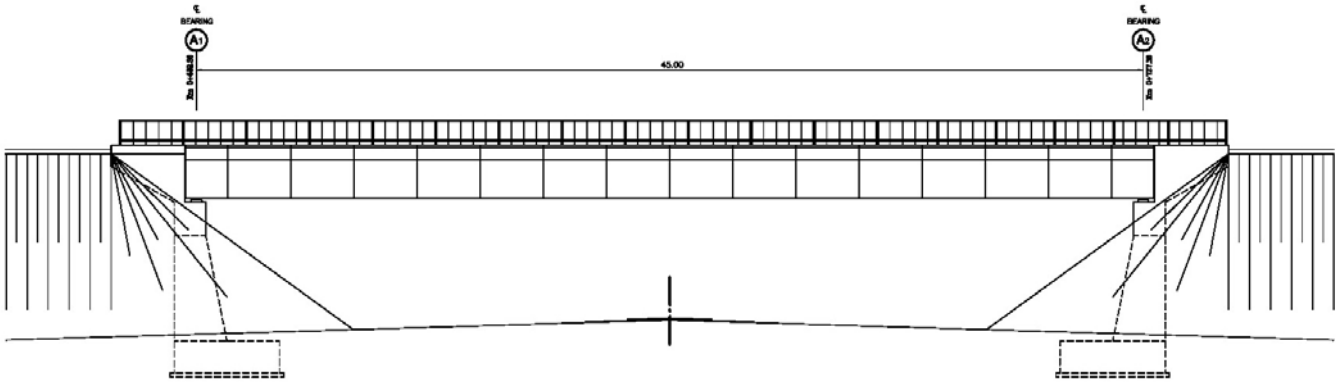


DECK SECTION AT SUPPORT

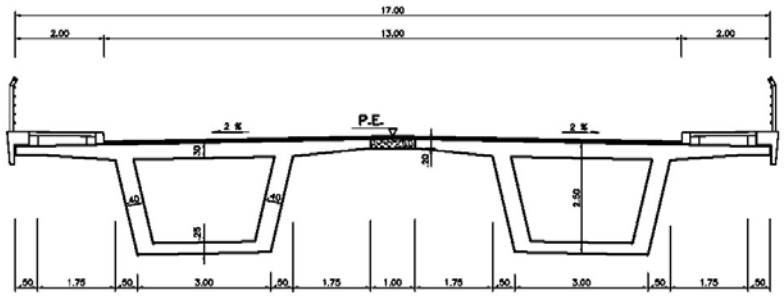
PROJECT SPECIFICATIONS

- **Project:** Design and supervision of the 5th bridge of Dezful over the Dez river
- **Client:** Municipality of Dezful
- **My Responsibility:** Design of the superstructure
- **Structural System:** Precast post-tensioned prestressed concrete segmental bridge built by the balanced cantilever method
- **Spans:** 28.35+9x45.30+28.35m (totally 464.40m)

Sanjar Bridge



BRIDGE ELEVATION

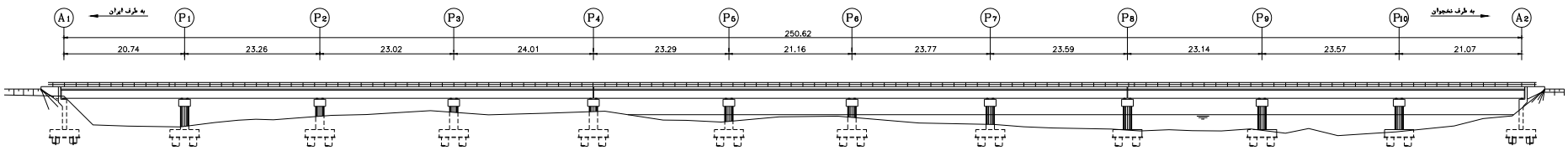


SECTION A

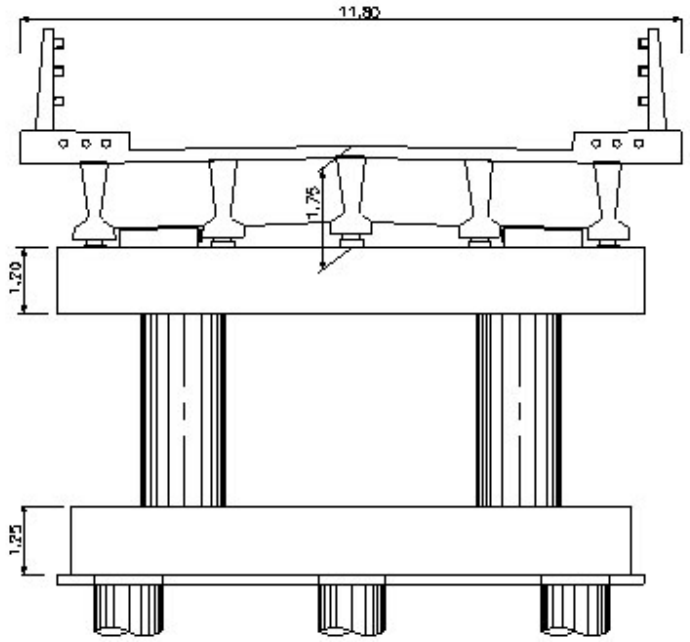
PROJECT SPECIFICATIONS

- **Project:** Design and supervision of a bridge over Sanjar highway in Dezful
- **Client:** Municipality of Dezful
- **My Responsibility:** Design of the structure
- **Structural System:** Precast post-tensioned prestressed concrete segmental bridge
- **Spans:** 45.0m

Jolfa Bridge



ELEVATION

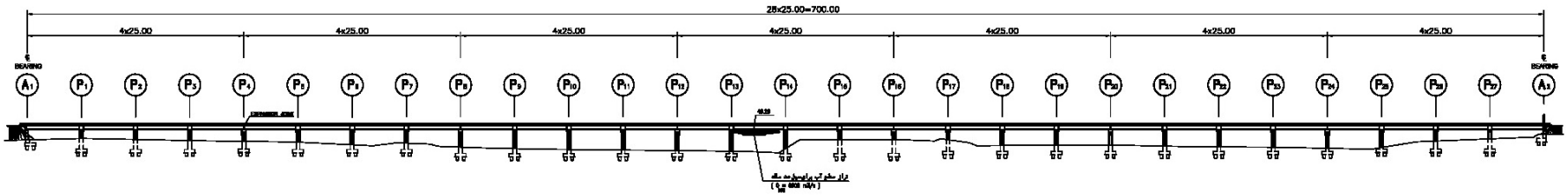


BRIDGE SECTION

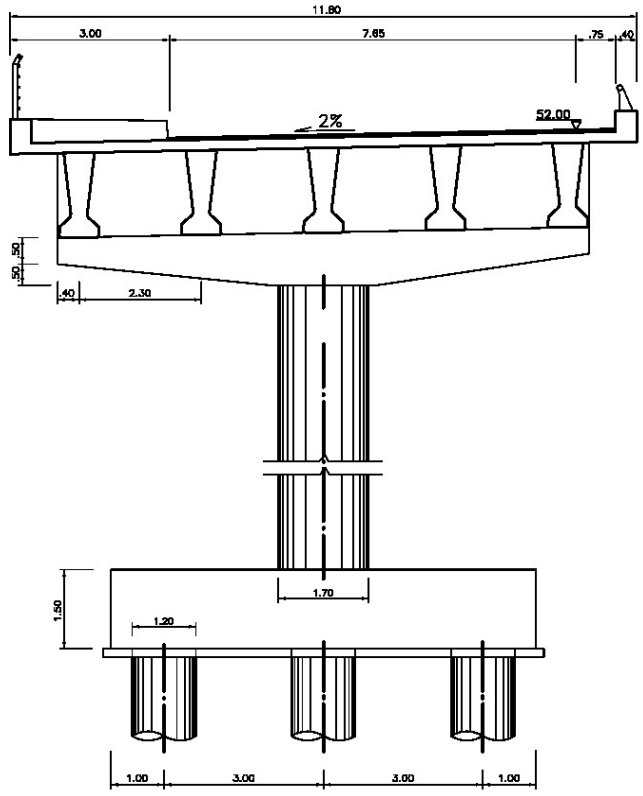
PROJECT SPECIFICATIONS

- **Project:** Design of a bridge over the Aras river connecting autonomous republic of Naxçivan to Azerbaijan of Iran
- **Client:** Boundary Terminals Organisation of Iran
- **My Responsibility:** Design of the structure
- **Structural System:** Precast reinforced concrete beams made composite and continuous by an in-situ slab
- **Spans:** 11 variant spans between 20.74m to 24.01m (totally 250.62m) divided to 3 segments of 3-4 spans by two expansion joints

Mond 3rd Bridge



BRIDGE ELEVATION



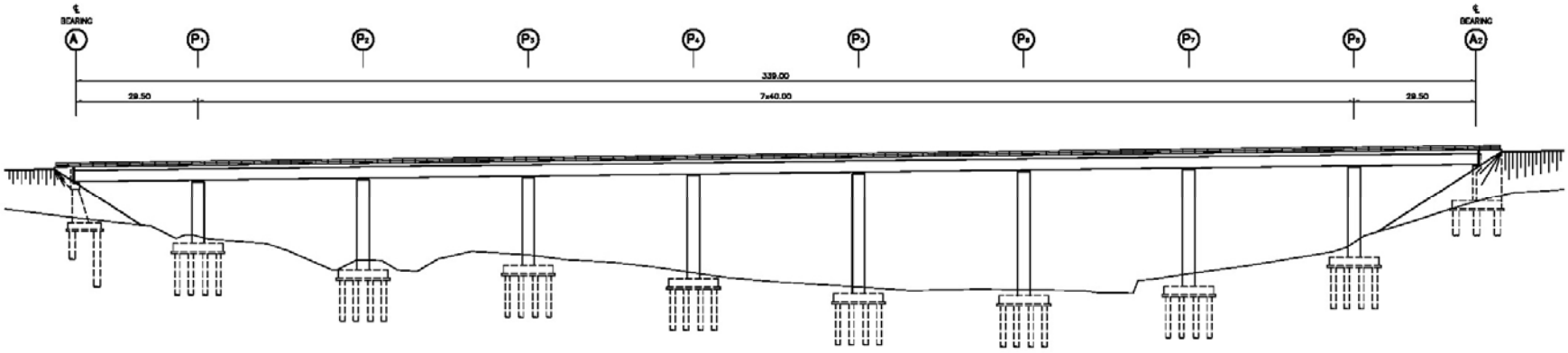
SECTION

PROJECT SPECIFICATIONS

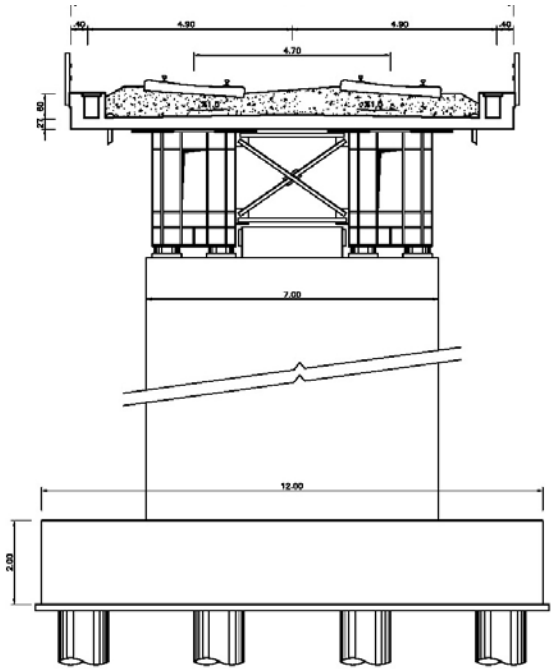
- **Project:** Design and supervision of the 3rd bridge over the Mond river in Bushehr
- **Client:** Roads and Transportation Organisation of Bushehr
- **My Responsibility:** Design of the structure
- **Structural System:** In-situ cast reinforced concrete continuous frame with precast reinforced concrete beams
- **Spans:** 28x25.0m (totally 700.0m) divided to 7 continuous frames by expansion joints

Mond 3rd Bridge

Mianeh – Bostanabad – Tabriz Railway Bridges



BRIDGE ELEVATION

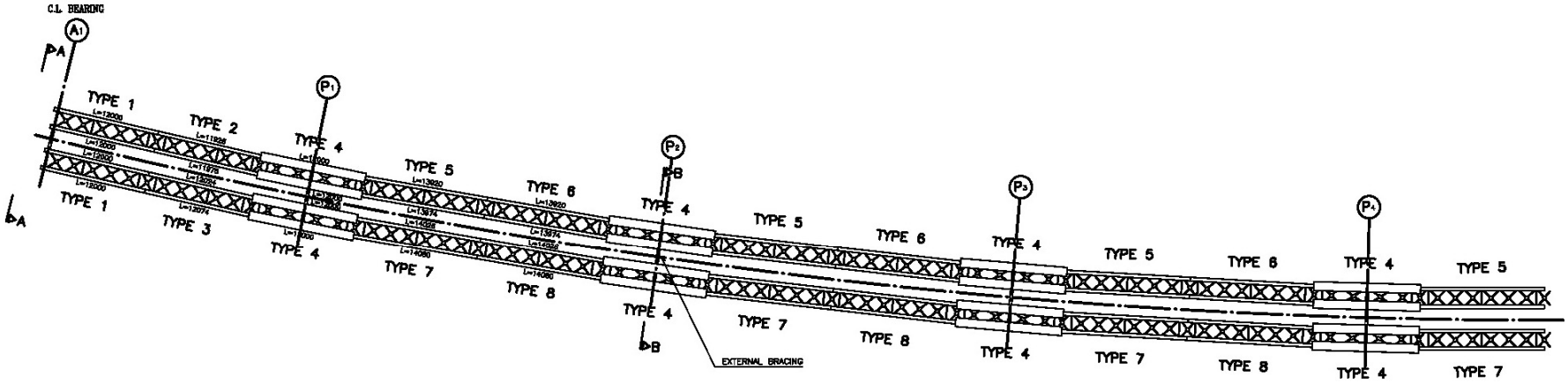


SECTION A

PROJECT SPECIFICATIONS

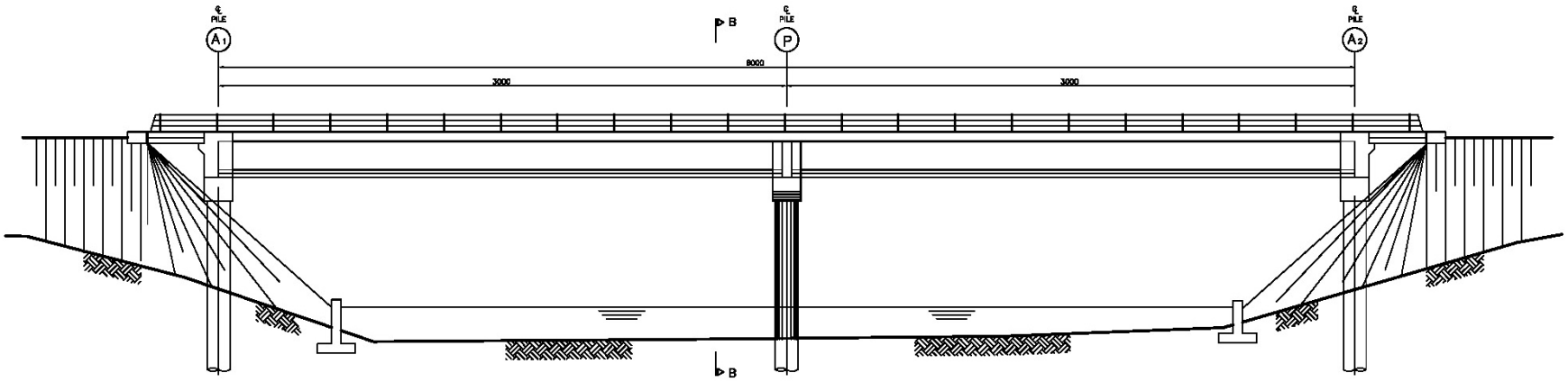
- **Project:** Design and supervision of Mianeh – Bostanabad – Tabriz double track railway involving 8 bridges over valleys of 30.0-50.0m depth
- **Client:** Iran Ministry of Roads and Transportation
- **My Responsibility:** Project management, control and design of the structures of 8 bridges under both construction and service loads
- **Structural System:** Precast steel continuous box-girders made composite by an in-situ reinforced concrete slab and built by launching method (this project is one of the first bridges built by launching method in Iran)
- **Spans:** 30.0 to 40.0m

Mianeh – Bostanabad – Tabriz Railway Bridges

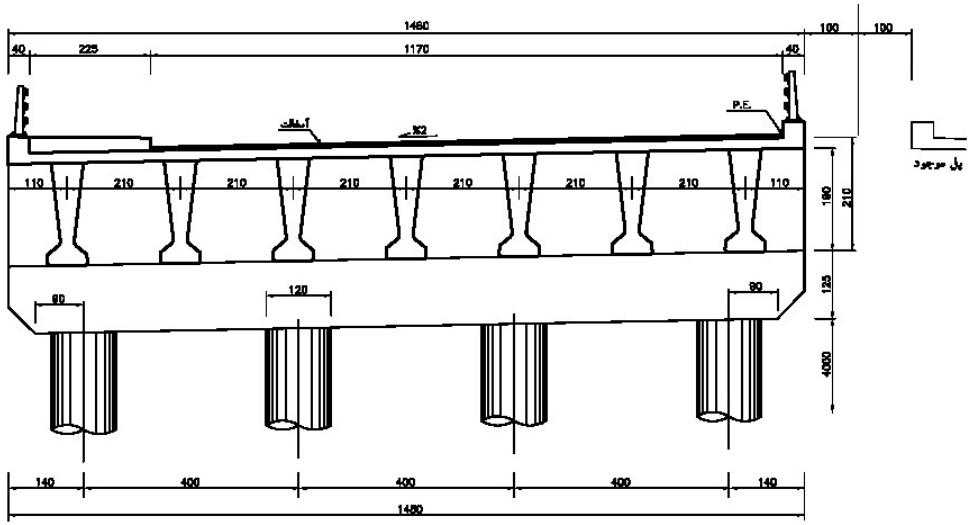


GUIDE PLAN FOR SEGMENTS TYPES

Bridges of Second Runway of Chalus – Noshahr Bypass



ELEVATION

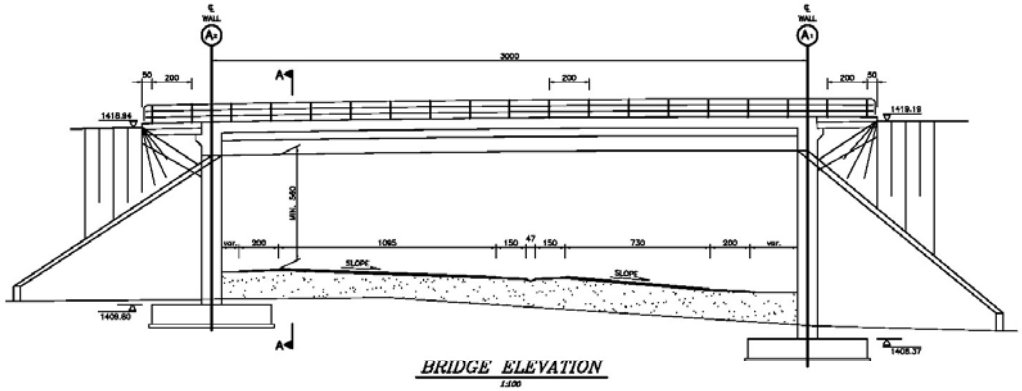


SECTION B

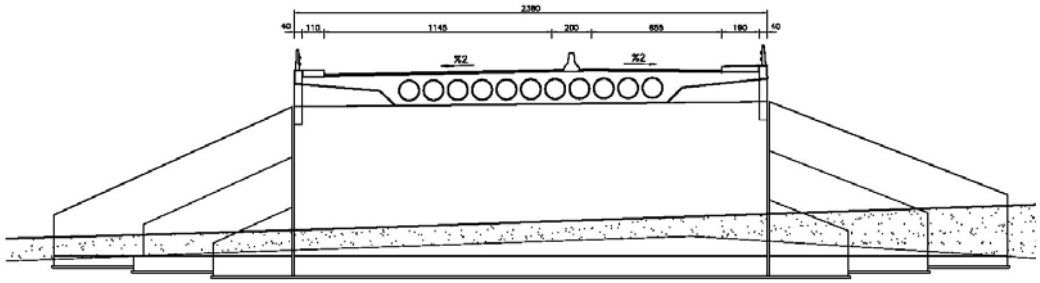
PROJECT SPECIFICATIONS

- **Project:** Design and supervision of three bridges of second runway of Chalus – Noshahr bypass
- **Client:** Iran Ministry of Roads and Transportation
- **My Responsibility:** Preliminary studies
- **Proposed Structural System:** In-situ cast reinforced concrete continuous frame with precast reinforced concrete beams
- **Spans:** 2x30.0m (totally 60.0m each bridge)

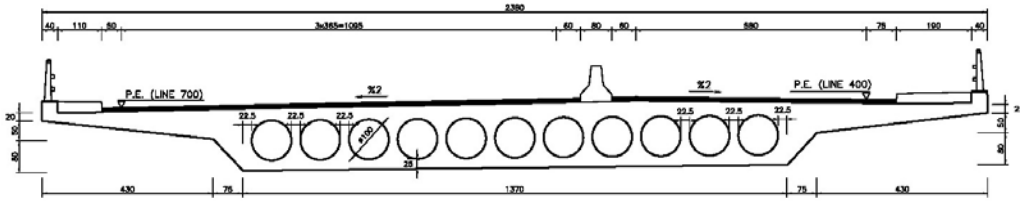
Bridge of km 32+500 Junction of Kermanshah Eastern Bypass



BRIDGE ELEVATION



SECTION A

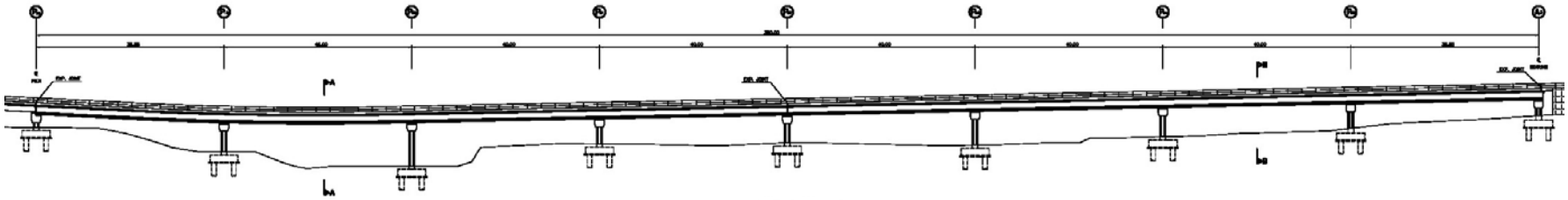


SECTION B

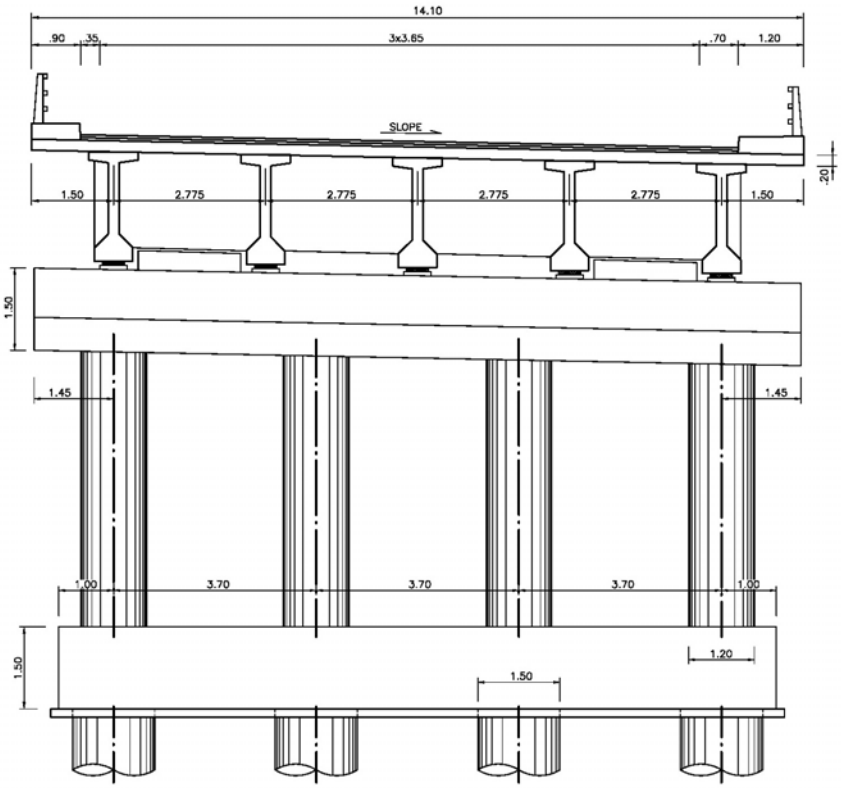
PROJECT SPECIFICATIONS

- **Project:** Design and supervision of km 32+500 junction of Kermanshah eastern bypass
- **Client:** Iran Ministry of Roads and Transportation
- **My Responsibility:** Design of the bridge structure
- **Structural System:** In-situ cast reinforced concrete voided slab made continuous with abutments
- **Spans:** 1x30.0m

Chalus Grand Bridge



BRIDGE ELEVATION

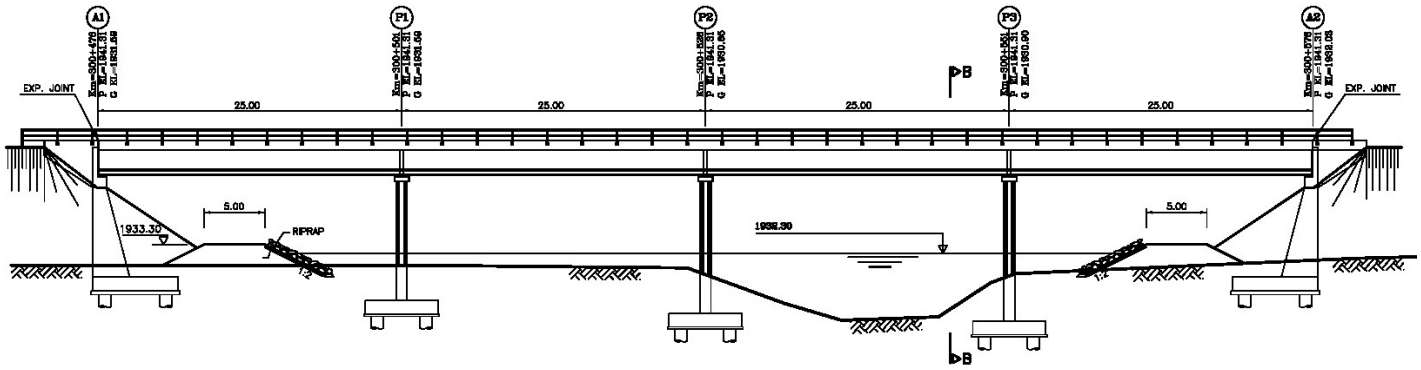


SECTION A

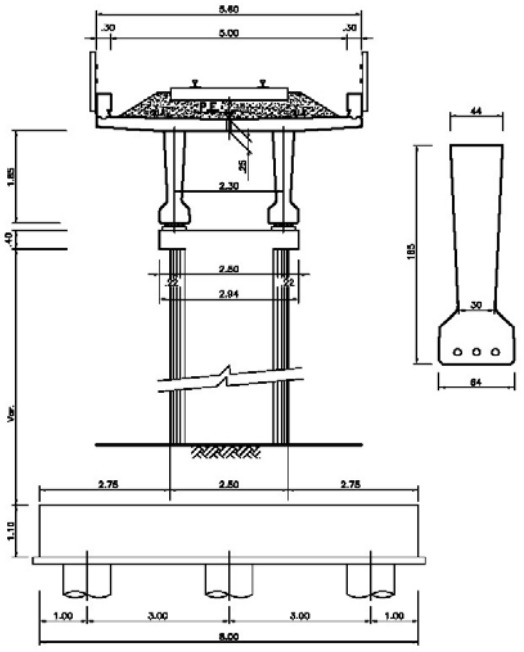
PROJECT SPECIFICATIONS

- **Project:** Design and supervision of a grand bridge over the Chalus river
- **Client:** Iran Ministry of Roads and Transportation
- **My Responsibility:** Design of the superstructure
- **Structural System:** Precast post-tensioned prestressed concrete beams made composite and continuous by an in-situ slab
- **Spans:** 8x40.0m (totally 320.0m)

Esfahan – Azna Railway Bridges



BRIDGE ELEVATION

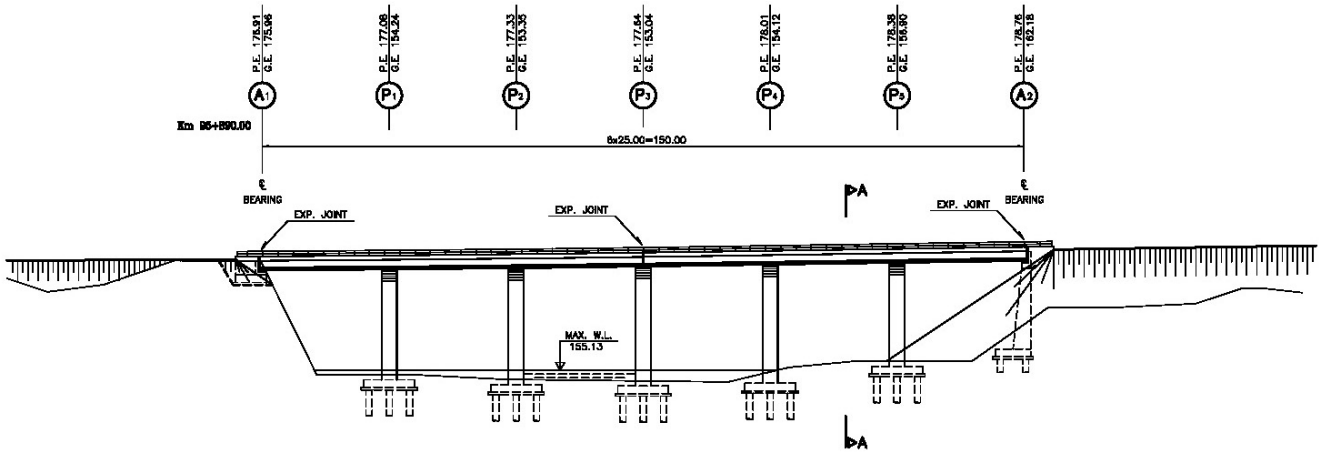


SECTION B

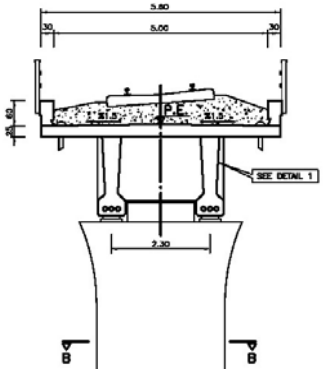
PROJECT SPECIFICATIONS

- **Project:** Design and supervision of Esfahan – Azna single track railway
- **Client:** Iran Ministry of Roads and Transportation
- **My Responsibility:** Preliminary studies (structural and hydraulic design) of bridges over three rivers Delian, Sour and Joushan
- **Proposed Structural System:** Precast reinforced concrete beams made composite and continuous by an in-situ slab
- **Spans:** *n*x25.0m

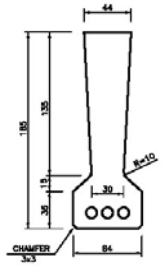
Chabahar – Fahraj Railway Bridges



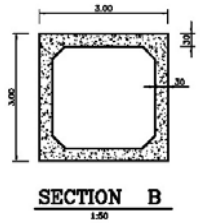
BRIDGE ELEVATION



SECTION A



DETAIL 1



SECTION B

PROJECT SPECIFICATIONS

- **Project:** Design and supervision of Chabahar – Fahraj single track railway
- **Client:** Iran Ministry of Roads and Transportation
- **My Responsibility:** Preliminary studies of seven bridges and culverts
- **Proposed Structural System:** Precast post-tensioned prestressed concrete beams made composite and continuous by an in-situ slab
- **Spans:** *n*x25.0m