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**SURVEY OF THE BRIDGES**

**GENERAL REMARKS  
ON HIS BRIDGES AND AQUEDUCTS**

**ALL THE STRUCTURES ARE  
IN SERVICE TODAY**

- Structural detailing is ingenious.
- Designwork emphasizes an engineering intuition and mathematical conception.
- Mechanics and hydraulics problems are solved perfectly.
- Construction technology is well ahead of his time.
- Material selections are meticulous.

**HIS LIFE** — **HIS MAJOR WORKS**

**CLASSIFICATION OF HIS TOTAL WORKS**

**SOME OF HIS CONTEMPORARIES**

**LOCATIONS OF BRIDGES**

**FRONT ELEVATION FROM WEST**

**H PLAN SECTION**

**I-II PLAN**

**OUTSTANDING FEATURES**

- MONUMENTAL EFFECT
- ARCHITECTURAL DETAILING ART
- LARGE SPAN SPANNING
- SITE AND LAYOUT SELECTION

**VIEW ON THE SİNANLI BRIDGE (ALPULLU) ~1570**

**LAYOUT SURVEY**

**TOTAL LENGTH OF BRIDGES ~ 580 M.**

**SCHAMATIC VIEW (FROM THE SEA)**

**OUTSTANDING FEATURES**

- SELECTION OF FOUNDATION SYSTEMS
- PIER LOCATION DECISIONS
- HYDRAULIC FORMS
- ARCHITECTURAL ESTHETICS
- ENVIRONMENTAL ADAPTATION

**GENERAL VIEW OF THE BRIDGES (FROM THE SEA)**

**VIEW OF THE BRIDGE "B" (FROM THE SEA)**

**SİNANLI BR. DETAIL**

**MAGLOVA AQUEDUCT**

**EÖRİ AQUEDUCT**

**UZUN AQUEDUCT**

**MAIN AQUEDUCTS**

- DÜZCE
- MAGLOVA
- KÖRS
- PİADA
- ULU

**TECHNICAL CHARACTERISTICS**

- CURRENTLY IN SERVICE (1550-1570)
- TOTAL NETWORK 3 NO. KM
- 36 POUNTAINS, 12 BODIES, 11 FALCONETS AND SUPPLIED
- AQUEDUCT STRUCTURAL FORM AND STABILITY HAS RESISTED ALL LATENT FORCES

**KIRKÇEŞME AQUEDUCTS İSTANBUL ~1556 / 64**

**1) SULTAN SÜLEYMAN BRIDGE / GEBZE**

**2) MEHMETPAşa BRIDGE FOUNDATION DETAIL CONNECTION DETAIL**

**3) MOSTAR BRIDGE / YUGOSLAVIA**

(DESIGNED BY SINAN CONSTRUCTED BY HIS ASSISTANT HAMİTTEKİ)