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- Definition of Critical infrastructures
- Protection measures taken during
 - "Design Phase"
 - "Construction Phase"
 - "Operation Phase"









- ❖ Approximately 183 billion dollars of investment in the last 20 years
- An ambitious process shaped by holistic development-oriented mobility, digitalization and logistics dynamics
- Not only disaster and emergency management needs, but also terrorist activities and interventions via Internet pose a serious threat to the protection of infrastructure projects



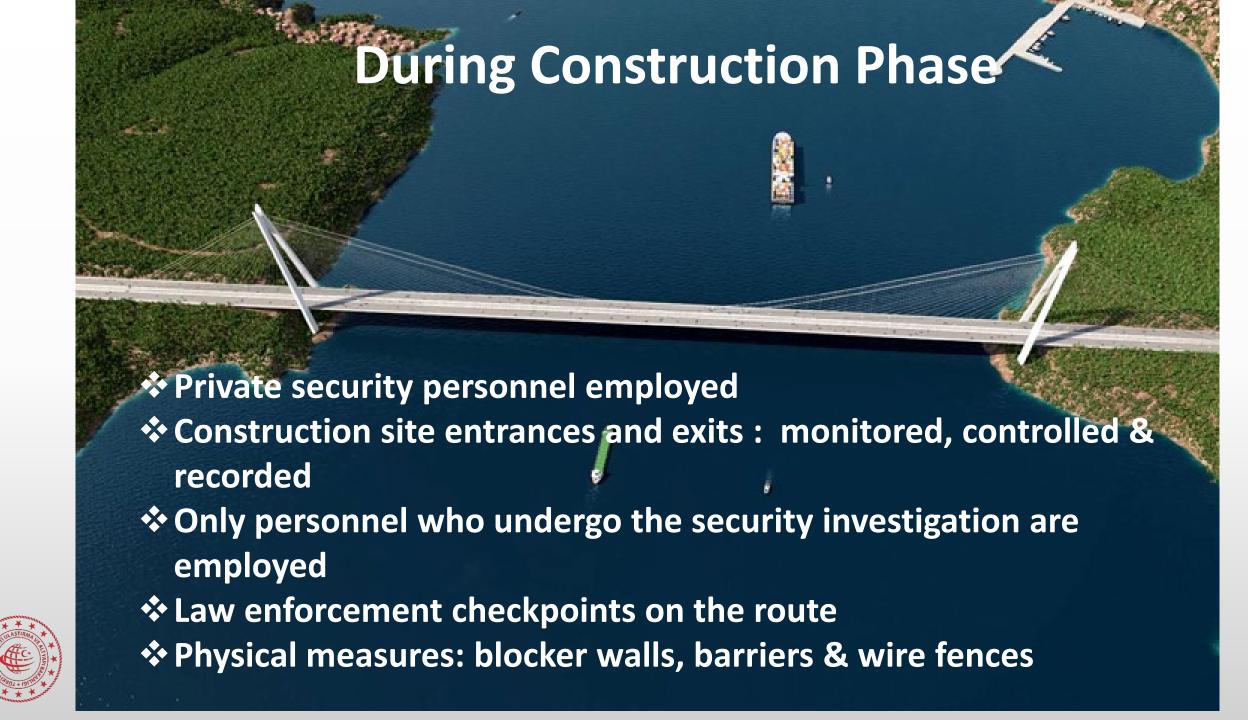


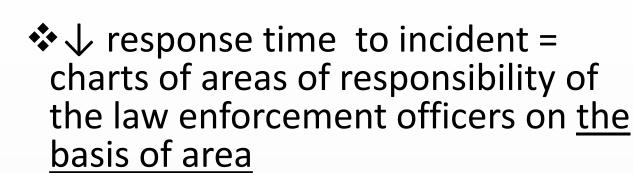
During Design Phase

- Confidentiality agreement signed with companies responsible for construction,
- Design criteria,
 - → internationally accepted standards (EN, TSE, VDE etc.)
- In terms of cyber security,
 - → hardware & software firewalls
 - → different IP blocks and WLANs
- Coordination meetings with the Provincial Military Police Commands and Provincial Police Departments in charge,
- Consultations on how to ensure construction safety in the works carried out,
- Alternative plans prepared,









- ❖In these charts; which police / military police stations will intervene, and the phone numbers of the Police Stations are given to the security personnel in the field
- Cooperation & coordination between the security personnel of the company and the law enforcement officers









Some precautions against fire and sabotage

- Fire hydrant cabinets placed at regular intervals
- Bridge towers coated with fire resistant paint
- Bridge piers reinforced against ship crashes or explosions that may come from the sea
- Water curtain system and a fire barrier installed to protect the main cable
- ❖ "Special Bridge Control Center"

 → maintenance & operation of bridges

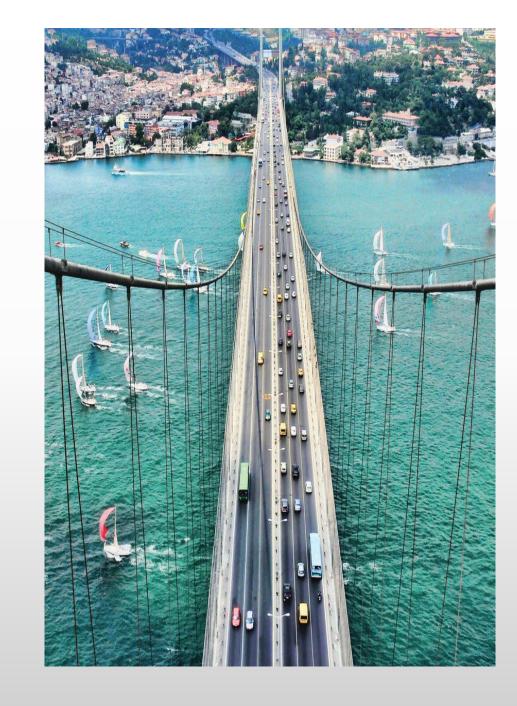








- 24-hour monitoring with CCTV cameras
- Only personnel with a bridge access card allowed to pass
- ❖ Before bridges are put into operation, security units responsible for protection during operation are informed concerning sensitive sections of bridges (rope, anchorage, etc.)



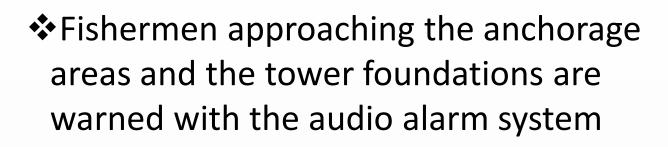


During Operation Phase

- ❖A "security and cooperation protocol" is signed
- Within the scope of the protocol, "Bridge Protection Branch Directorate" established.
- This Protection Branch is monitoring with police cameras installed on the bridge
- Security forces physically located in explosion-proof watch boxes located at separate points on bridges
- On the Highway Route, patrol activities by the security / traffic teams







- In case of non-compliance, maritime police and coast guard intervene
- Personnel of the 'Bridge Protection Branch Directorate' are given regular training of access points to constructions of bridges' such as towers, foundation and inspection roads.













