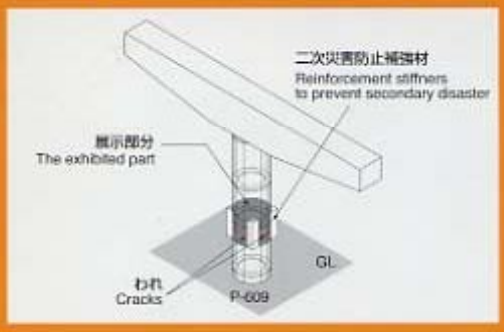
C-2 鋼製橋脚(円形)のわれ

Cracks in circular steel pier

神P-609の被災状況 Damages on P-609



■**損傷内容**／外観上座屈はほとんど認められなかったが、横補剛材間の溶接部全周にわれが発生していた

■**位置**／3号神戸線 神P-609（神戸市長田区）

■**構造形式**／円形鋼製橋脚 直径2.0m

■**竣工時期**／昭和42年度

■**適用基準**／鋼道路橋設計示方書(昭和39年)ほか

■**復旧方法**／上部工を仮受けし、橋脚全体を基部から切断・撤去し、鋼製橋脚(直径2.0m、板厚40mm、材質SM570)で再構築した

■**展示物紹介**／
われが発生した部分(取り付けられている補強材は復旧までの二次災害を防止するためのもの)

■**展示物諸元**

鋼製橋脚 直径 2.0m
板厚 34mm(SM41A)

■**Damage descriptions**／ Although almost no buckling was visible from the appearance, cracks were found in the welds between lateral diaphragms all around the pier.

■**Location**／ P-609 on the Kobe Route #3 (Nagata-ku, Kobe)

■**Structural configuration**／ Steel cylindrical pier with a diameter of 2.0 m

■**Completion**／ 1967

■**Major standards applied**／ Design Specifications for Highway Steel Bridges (1964)

■**Restoration**／ After underpinning the superstructure, the entire pier was cut at its base and removed out, and subsequently a new steel pier (diameter 2.0 m; thickness: 40 mm; material: SM570) was built.

■**Descriptions of the exhibits**／ Portion with cracks (The attached stiffeners were of temporary retrofit against secondary disasters until the complete restoration.)

■**Specifications of the exhibits**

Steel pier diameter: 2.0 m
Thickness: 34 mm (SM41A)