# 阪神高速道路の被害

## Damage to the Hanshin Expressway

兵庫県南部地震によって、阪神高速道路では3号神戸線で635mにわたって倒壊、4カ所で落橋したのを始め、5号湾岸線でも1カ所落橋するなどの被害を受けました。当保管庫では、被災経験を風化させることなく後世に継承するため、また、今後の防災対策の研究の一助となることを願い、特徴的な被災構造物を34点展示しています。

The Hanshin Expressway suffered enormous damage from the Hyogo-ken Nanbu Earthquake. Major damage included a complete collapse of a 635 m stretch of viaduct structure and four fallen girders in the Kobe Route (#3) and one fallen girder in the Wangan Route (#5). Thirty four items with typical damage are exhibited at this museum for the purposes of passing the experience of disaster down the generations as well as promoting future research of disaster prevention.

**A-1**
六甲アイランド大橋 Rokko Island Bridge
アーチ橋の上横構ぎ材の座屈と端横桁の変形
Buckling of upper lateral brace and deformation of end cross beam in long arch bridge

**A-2**
神S-119~120
鋼連続箱桁橋の中間支点部の変形
Deformation of central support members of continuous steel box girder bridge

**A-3**
神S-238~240
鋼連続箱桁橋の主桁の座屈
Buckling of continuous steel box girder

**B-1**
神P-73
RC橋脚基部付近での曲げせん断破壊
Flexural shear failure around the base of reinforced concrete pier

**B-2**
神P-36
RC橋脚基部付近での曲げせん断破壊
Flexural shear failure around the base of reinforced concrete pier

**B-3**
神P-236
RC橋脚基部付近での曲げ破壊
Flexural failure around the base of reinforced concrete pier

**B-4**
神P-629
RC橋脚主鉄筋段落とし位置での曲げせん断破壊
Flexural shear failure of reinforced concrete pier at cut-off position of the main reinforcements

**B-5**
神P-32
RC橋脚のせん断損傷
Shear damage on reinforced concrete pier

**B-6**
神P-54
RC橋脚基部付近での曲げせん断破壊
Flexural shear failure around the base of reinforced concrete pier

**C-1**
神P-353
板パネルの局部座屈
Local buckling of stiffened plate of steel pier

**C-2**
神P-609
鋼製橋脚(円形)のわれ
Cracks in circular steel pier

**C-3**
神下P-580
鋼製橋脚(円形)の局部座屈・われ
Local buckling and cracking in circular steel pier

**C-4**
神下P-584
鋼製橋脚(円形)の局部座屈・破断われ
Local buckling and tension cracks in circular steel pier

**C-5**
神P-6
縦補剛材の座屈
Buckling of stiffeners in steel pier

**C-6**
神P-371
鋼製橋脚基部の亀裂
Cracking at the base of steel pier

**D-1**
西宮港大橋におけるピボット支承の破損
Fracture of pivot bearing supporting large arch bridge

震源地
Epicenter

震災資料保管庫
Hanshin Expressway Earthquake Museum