

JPCEA AWARDS 2011

JPCEA Award for Outstanding Structures

Uratakao Bridge

Location: Tokyo

Structural Type: PC continuous rigid frame
corrugated steel web bridge

Bridge Type: Highway Bridge

Bridge Length: (Up line) 405.5m
(Down line) 438.0m

Span:

(Up line) 51.5m+140.5m+140.0m+69.5m
(Down line) 67.0m+155.0m+144.0m+68.0m

Width (Effective width):

(Up line) 9.75m ~ 17.723m
(Down line) 9.75m ~ 21.055m

Design: Central Nippon Expressway Company ,
Chodai, Idea Consultants , Japan Bridge &
Structure Institute , Kajima Hazama JV ,
Miyaji Engineering

Construction: Kajima Hazama JV , Miyaji
Engineering

The new fifth building in NTT East training facilities

Location: Tokyo

Structural Type: Precast prestressed concrete

Number of Stories: 6 stories

Building use: Training facility

Floor Space: 1613.34m²

Total floor space: 9532.30m²

Design: NTT Facilities

Construction: Toda Corporation



Ikina Bridge

Location: Ehime
Structural Type: 3-span continuous composite
cable-stayed bridge
Bridge Type: Highway Bridge
Bridge Length: 515.0 m
Span: 98.0 m + 315.0 m + 98.0 m
Width: 7.5 m
Design: Chodai Co., Ltd.
Construction: Sumitomo Mitsui Construction, Showa
Concrete Industry, Yokogawa Bridge
JV



The Dubai Metro viaducts

Location: Dubai, U.A.E.
Structural Type: Single girder bridge, 2 continuous
span girder bridge, 3 continuous span
girder bridge
Bridge Type: Railway Bridge
Bridge Length: Viaducts total span 61km
Span: Single and 2 span 22m~44m,
3span 44m+72m+44m
Width: Standard section 10.5m
Design and Construction:
Obayashi • Kajima • Yapi Merkezi JV



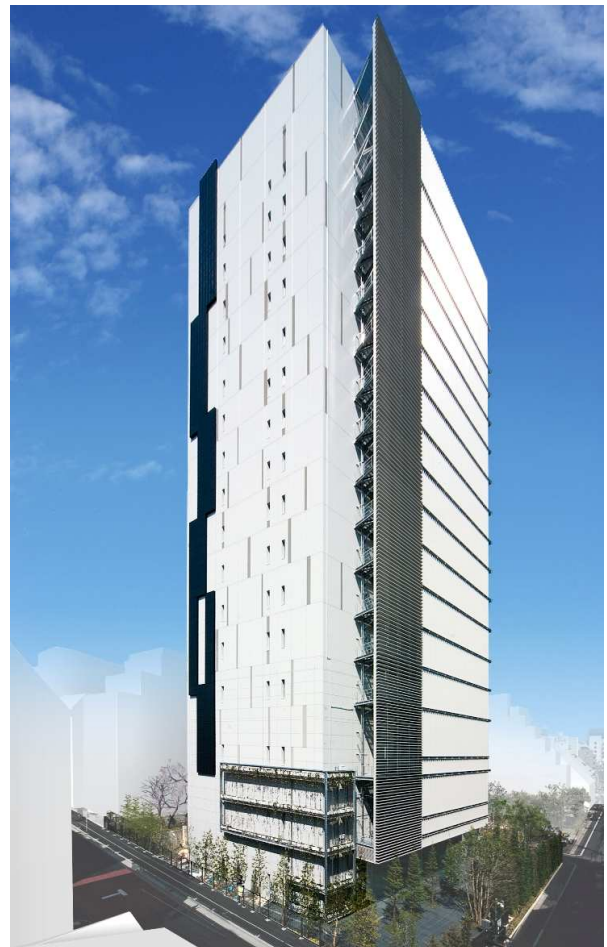
Hirono Bridge

Location:	Kyoto
Structural Type:	Single-span composite truss bridge
Bridge Type:	Highway Bridge
Bridge Length:	111.0m
Span:	107.5m
Width:	8.2m (total width)
Design:	Japan Bridge & Structure Institute Inc.
Construction:	Sumitomo Mitsui Construction



Tokyo No.5 Data Center

Location:	Tokyo
Structural Type:	Precast prestressed concrete
Number of Stories:	16 stories
Building use:	office (server room)
Floor Space:	975.56m ²
Total floor space:	13227.09m ²
Design:	NTT Facilities
Construction:	Obayashi Corporation



R&D Award

PC Structure made of Ultra high strength Fiber reinforced Concrete Cured at Normal Temperature

Location:	Tokyo
Structural Type:	Simple Beam PC Bridge
Bridge Type:	Highway Bridge
Bridge Length:	14.0 m
Span:	13.9 m
Width:	1.700m
Design:	Obayashi Corporation
Construction:	Obayashi Corporation



Post-tensioned T-Girder Bridge using Corru gated Steel Web

Location:	Tokyo
Structural Type:	Post-tensioned T-Girder Bridge using Corrugated Steel Web
Bridge Type:	Highway Bridge
Bridge Length:	39.7 m
Span:	38.7 m
Width:	6.00 m, 3.00 m
Design:	Chuoh Consultants
Construction:	P.S.Mitsubishi Construction



Construction Technology Awards

Aoyama Area Viaduct

Location: Osaka
Structural Type: 20spans prestressed concrete viaduct
Bridge Type: Highway Bridge
Bridge Length: 812 m
Span: 38.0m + 5@40.0m + 44.5m
+ 2@40.0m + 10@41.0 m+ 38.5m
Width: 13.78m×2
Design: Sumitomo Mitsui Construction
Construction: Sumitomo Mitsui Construction



Renewal of Mukaizano Bridge

Location: Fukuoka
Structural Type: Single span RC hollow slab bridge,
4-span continuous steel plate girder bridge
2-span continuous RC hollow slab bridge
Bridge Type: Highway Bridge
Bridge Length: 210m
Span: 18.350m
37.5m+2@38.0m+38.5m
18.47m+18.65m
Width: 32.000m
Design: Oriental Shiraishi Corporation
Construction: Oriental Shiraishi Corporation



Replacing of Precast Slab on Miyuki Bridge of Nishi-Meihan Expressway considering of rapidity

Location: Nara

Structural Type: Continues plate girder with precast slab

Bridge Type: Highway Bridge

Bridge Length: (up line) 332.91m
(down line) 321.60m

Span: (up line) 37.21+48.59+2@49.00+3@49.09m
(down line) 25.20+3@49.00+3@49.00m

Width: (up line) 9.900m, (down line) 9.945m

Design: (1st Phase) YCE Corp.
(2nd Phase) Kawada Industries, Inc.
(3rd Phase) Yokogawa Construction Co., Ltd

Construction: (1st and 3rd Phase) Yokogawa Construction Co., Ltd,
(2nd Phase) Kawada Industries, Inc.



Matoba Viaduct

Location: Shizuoka

Structural Type:
(Up line) 9-spans continuous PC box girder bridge
(Down line) 7-spans continuous PC box girder bridge
(D lamp) 4-spans continuous PC box girder bridge

Bridge Type: Highway Bridge

Bridge Length: (Up line) 403.5m
(Down line) 364.0m
(D lamp) 234.0m

Span:
(Up line) 27.9m+7@48.0m+37.4m
(Down line) 55.4+2@60.0+44.5+48.0+48.5+45.4m
(D lamp) 48.9m+3@46.0m+44.9m

Width: (Up line) 11.625m
(Down line) 11.625m
(D lamp) 8.500m

Design: Central Nippon Expressway Company, Sumitomo Mitsui Construction

Construction: Sumitomo Mitsui Construction

