



# Haranomachi Thermal Power Plant Outfall Bridge

This 2-span post-tensioned/pre-tensioned concrete simple girder bridge links the breakwater to the marine facility. This is the first bridge in the world that post-tensioned girders were constructed by 3-part precast block method reinforced with CFCC tendons.



- **Owner:**  
Tohoku Electric Power Co.,Ltd
- **Location:**  
Fukushima Prefecture
- **Dimensions:**  
Total length 44.754m  
Total width 4.0m  
Girder length 25.8m (Post-tensioning)  
Girder length 12.9m (Pre-tensioning)
- **Materials:**  
CFCC 1 × 7 φ 12.5 L=7,596m  
CFCC 1 × 7 φ 12.5 L=1,625m
- **Application:**  
Post-tension(main girder)  
Pre-tension(main girder)
- **Completed:**  
Dec 96
- **ACC Projects list:**  
#94

