

The Construction of Kanchpur, Meghna, Gumti 2<sup>nd</sup> Bridges and Rehabilitation of Existing Bridges  
 【Obayashi Corp./Shimizu Corp./JFE Engineering Corp./ IHI Infrastructure Systems Co., Ltd.】

Representative : Genta Tabe (Obayashi, Senior General Manager of Asia-Pacific Regional Headquarters)  
 Member : 69 (Obayashi 17、 Shimizu 22、 JFE Engineering 16、 IHI Infrastructure Systems 14)

National Highway No. 1, which connects Dhaka, the capital of the People's Republic of Bangladesh, and Chittagong, the second largest city with an important port, is the most important highway supporting economic activities in Bangladesh. In recent years, the country's economic growth has been remarkable, and traffic volume has been increasing rapidly. As a result, traffic congestion has become more serious, and the deterioration of bridges has become apparent due to poor maintenance and management capabilities. In addition, although the design standards for bridges were established in Bangladesh in 1993 and the earthquake resistance standards were raised, the existing bridges did not meet the domestic earthquake resistance standards. Therefore, their repair and reinforcement were urgent issues. In order to improve the situation, the government agreed to construct new bridges and rehabilitate existing bridges in Kanchpur, Meghna and Gumti with JICA Loan.

In 2015, Obayashi, Shimizu, JFE Engineering, and IHI Infrastructure Systems formed a project team and took orders for the construction of the new bridges in Kanchpur, Meghna and Gumti, and after overcoming many difficulties, the project was successfully handed over to the client in January 2020.

The project consists of the construction of the Kanchpur (396m), Meghna (930m) and Gumti (1410m) new bridges and the rehabilitation of existing bridges, with the substructure constructed using the Steel pipe sheet pile well foundation method and the superstructure constructed using Narrow box steel girders and Steel Concrete composite slabs method which were adopted for the first time in Bangladesh.

The new and existing bridges will be fully opened on January 4, 2020, contributing greatly to the improvement of traffic conditions on National Highway No. 1, and the people of Bangladesh are pleased to know that they can travel from Dhaka City to Chittagong in five hours, whereas it used to take more than 10 to 12 hours. In addition, a number of special economic zones are currently being constructed along National Highway 1, which will create 10 million new jobs in the future and contribute greatly to the economic development of Bangladesh.

After the success of this project, the planning and investigation of the Dhaka-Chittagong expressway and high-speed railway has already started. Meanwhile, the construction of Metro Line 6 is ongoing in Dhaka City, and Metro Lines 1 and 5 are scheduled to be constructed soon.

With the above outstanding achievements and future developments, this project deserves an award in the field of international contribution.

■ Construction Site



Construction Site

■ Construction Summary



Construction Summary



Address by the Prime Minister at the opening ceremony



Steel Pile Sheet Pile



Narrow box steel girders and Steel Concrete composite slabs



Opening of Meghna new Bridge