

DOMESTIC CIVIL ENGINEERING



Photo courtesy of Haneda Airport Runway D Extension JV

Haneda Runway D Exterior Construction

The Tokyo International Airport (Haneda) is the hub of Japan's domestic transportation network, used by nearly 60% of the nation's air travelers. Officials expect an increasing demand for domestic airline capacity, as well as growth in international traffic.

The expansion project consists of Runway D, the international passenger terminal, the cargo terminal, and all of the apron facilities.

The Runway D construction project will see the construction of the fourth runway at the head of the airport island structure, which is 3,120m in total length. The Company will be responsible for 518m of the seawall/land reclamation construction at the head of the runway, which is 3,120m in total length. The project involves an extremely high embank-



ment, the likes of which have not been seen in any offshore airport to date. The Company will also be involved in the construction of a taxiway. The successful completion of this project will increase the annual capacity for arrivals and departures from the current 303,000 (as of September 1, 2007) to 407,000, providing transportation network diversity that will enhance the convenience of all users of the facility. This new construction will also allow the facility to take in regular international flights, while keeping up with future domestic air transportation demands.



Nagoya Harbor Tobishima Pier South Dock (-16m)

Nagoya Harbor boasts the greatest volume of cargo shipments in Japan. To become even more competitive internationally as a super hub port, the harbor needed to become a next-generation deep water container terminal that is resistant to earthquakes. The Company was part of a joint venture to construct 100m of the 350m dock for the No. 2 Berth Construction Project.

Construction Period	July 9, 2007 to August 8, 2008
Client	Ministry of Land, Infrastructure, Transport and Tourism, Chubu Regional Development Bureau
Project Overview	Foundation Construction : Foundation stone/armor stone placement, leveling 28,304m ³ Main Structure Construction : Steel jacket construction/installation 2 (560,570t/installation) Foundation steel pipe piled foundation 28 (φ1,300 L=78.372m/pile) Upper Construction : Slab construction/installation 120 slabs (concrete 1,481m ³ rebar 549.2t)



Chikushino Logistics Complex

The Company developed a total area of 30,000 tsubo in Chikushino, Fukuoka Prefecture for use as a logistics warehousing facility. Reservoirs for agricultural water and fish breeding were located around the development area, requiring the Company to perform construction work with extreme care to prevent damage from mud flows during rainy weather.

Construction Period	August 1, 2006 to August 31, 2008
Client	Commercial RE Co., Ltd.
Project Overview	Development Area : 22ha Excavated Volume : 830,000m ³ Regulation Reservoirs : Two Retaining Wall Extension : 1,041m

Shinsashiki Tunnel

The Company participated in a joint venture responsible for construction of 1,518m of the 2,919m tunnel in Ashikita-machi, Kumamoto Prefecture. The tunnel is part of Minami-Kyushu Expressway.

Construction Period	November 3, 2004 to August 31, 2009
Client	Ministry of Land, Infrastructure, Transport and Tourism, Kyushu Regional Development Bureau
Project Overview	Cross Section : A=67m ² Construction Length : L=1,518m (Total Length L=2,919m) NATM construction

