

The Project for Strengthening Capacity for Maintenance of Roads and Bridges
Project News (August, 2016)

Overloading Control Facilities (July 17-August 15, 2016)

Facilities related to overloading control have been upgraded prior to a pilot project for overloading control to be implemented in the project. Recently, concerns for severe damage on roads and bridges due to overloaded vehicle have been increasing in Cambodia. MPWT controls overloaded vehicles with portable type weighing scale on their own in order to protect Tsubasa Bridge, built by the JICA grant project in 2015. However, the control status is not satisfactory due to 1) insufficient weighing scale and 2) insufficient relevant facilities. In consideration of the inadequacies, a state-of-the-art weighing scale, which enables more prompt overloading control, is going to be installed at the site together with upgrade of relevant facilities. In regard to this, installation of a container house and asphalt overlay have been implemented.



Fig.1 Insufficient Existing Weighing Scale

The existing weighing scale area doesn't have enough width of 3.0m. Therefore, the road shoulder is expanded by wooden deck to cover the shortage; it is not safe for heavy vehicles to step on weak wooden deck.



Fig.2 Expansion of Carriage Way

Expansion of the existing road width by asphalt overlay (50m long, 2.5m wide, 50cm thick). A total of 3.0m width is enough for vehicles to be weighed. Also, elevation difference between carriage way and shoulder has been cleared.



Fig.2 Insufficient Relevant Facility

The equipment management office is not installed for the weigh scale team. Therefore, the equipment battery can't be charged and equipment can't be maintained well. It makes the continuous overloading control difficult.



Fig.4 Installation of Container House

A 40ft (12m) container house has been installed near the weigh scale area. The facility ensures 1) charging of equipment battery, 2) the shelter against sudden rain, and 3) the break room for officials in charge of site management; it enables continuous long-time overloading control.