

Target Countries : Countries that JICA technical cooperation allied bridges project have been

Course No. : 201984555-J002

No. : 201984555

Sector : Transportation/National Transportation

Sub-Sector :

Language : English

Outline

This course is added to monitoring activities after a series of program in Japan. Participants will understand the bridge maintenance system carried out in Japan and, the bridge maintenance skills of will be improve by means of the practical training program for inspection, evaluation, and repair of various types of bridges. The monitoring activities and feedback system after the training will improve the quality of the training program.

Objective/Outcome

Target Organization / Group

【Objective】
Action plans for bridge maintenance management will be formulated and implemented by the organization which trainees belong to.

【Target Organization】
Competent government agencies or governmental organizations responsible for bridge engineering (design, construction, maintenance, repair of bridges)

- 【Outcome】**
1. To be able to acquire and explain the essential points of Bridge Maintenance Management and make plans for Bridge Maintenance Management.
 2. To be able to explain the basic work and concept of inspection, evaluation of various types of bridges (concrete bridges and steel bridges).
 3. To be able to explain the basic work and concept of maintenance reinforcement/repair of various types of bridges (concrete bridges and steel bridges).
 4. To make an action plan for Bridge Maintenance Management in participants' countries.

【Target Group】
Engineer currently engaged in bridge engineering (design, construction /construction supervision, maintenance and repair of bridges). Preferably with 5 - 15 years of work experience (3 years or more in bridge engineering desirable).

Contents

【Preliminary Phase in Participants' home countries】
Formulation and submission of First Country Report about the situation of bridge maintenance and the belonged organization. The accepted participants should revise and edit the first one and that will be the Second Country Report.

Course Period

2020/2~2020/3

- 【Core Phase in Japan】**
Lectures, practices, site visits and discussion on the following subjects
1. Introduction to Bridge Maintenance Management in Japan
 2. Maintenance and Management of Steel Bridges
 3. Maintenance and Management of Concrete Bridges
 4. Maintenance and Management of Bridge Deck Pavement / Floor Slab Waterproof System
 5. Maintenance and Management of Bridge Accessories
 6. Bridge Inspection and Evaluation
 7. Bridge Maintenance Reinforcement/Repair
 8. Bridge Management System (BMS)
 9. Preparation and presentation of Training Reports

Department in Charge

Infrastructure and Peacebuilding Department

【Finalization phase in a participant's home country】
Participants and their organizations revise and implement the action plan for bridge maintenance.

JICA Center

JICA Kyushu

Three months after after returning country, the participants submit a review report about the situation of action plan implementation and the horizontal expansion. Two participants will be selected among the participants who submitted a review report, and the local monitoring investigation, workshop at their countries will be carried out.

Cooperation Period

2018~2020

Implementing Partner Nagasaki University, IDCJ

Remarks and Website