PROJECT NEWS

8th Posting: April 2023-September 2023

April, May 2023: Activities

04 April 2023: 4th Joint Coordinating Committee Meeting





Higher officials from MIHUD & RDA

Officials from JICA & Zambia





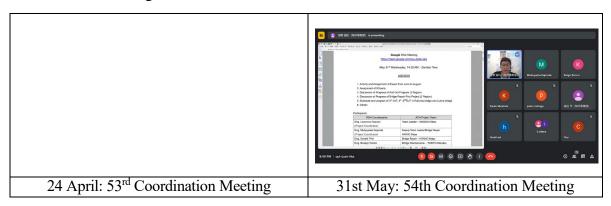
Presentation of Output 4

Approval of Work Plan 4th Edition



Group Photo

➤ On the 24th of April and 30th of May, 53rd & 54th Coordination Meeting were held to discuss the Progress of activities.



June 2023: Activities

June 5-10: 3rd OJT on Bridge Repair: Installation of Expansion Joint & Application of Carbon Fiber Sheet (Demonstration Area only)

➤ The 3rd OJT on Bridge Repair were conducted in Rufunsa Bridge and technical assistance to the contractor had been given.

The OJT in Rufunsa Bridge covers the following topics;

- 1. Selection of Repair Method
- 2. Summary and situation of Pilot Project and Repair Methods
- 3. Introduction of Repair Methods
 - (1) Fiber Cement for deck slab
 - (2) Replace of Expansion Joint
- 4. Field Training
 - (1) Replacement of Expansion Joint
 - (2) Fiber Cement on Deck Slab
- 5. Pre and Post Evaluation

The OJT were attended by RDA from Headquarter, Lusaka Region, Western Region, Muchinga Region and Local Contractor (Horizon Properties).



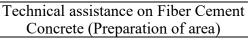
The Technical Assistance from Mr. Fernando Hipolito, Jr. of Alphatec to the contractor were successfully been instructed and transferred.





Technical Assistance on theinstallation of Expansion Joint







Technical assistance on application of Fiber Cement Concrete

June 14-22: 4th OJT on Bridge Repair: Application of Carbon Fiber Sheet

➤ The 4th OJT on Bridge Repair were conducted in Western Region @Luena Bridge and the technical assistance to the contractor had been given.

The OJT in Luena Bridge covers the following topics;

- 1. Summary and situation of Pilot Project, Repair Methods
- 2. Introduction of Repair Methods
 - (1) Carbon Fiber Sheet
- 3. Field Training
 - (1) Cutting and Application of Carbon Fiber Sheet
- 4. Pre and Post Evaluation

The OJT were attended by RDA Regional Manager of Western Region, Principal Engineer from RDA HQ and RDA Senior Engineers from Lusaka Region, Western Region, Southern Region, Copperbelt Region, Eastern Region, NRFA, Contractors (Horizon Properties Limited, OMNI Contractors Limited and Ruthfield Limited).

The Technical Assistance from Mr. Takahiro Matsui of Toray Industries Co. to the contractor were successfully been instructed and transferred.



16 June 2023: OJT Lecture



16 June 2023: Message from RM



16 June 2023: OJT Lecture



16 June 2023: OJT Lecture



July 2023: Activities

The 5th OJT on Bridge Repair: Application of Fiber Cement Concrete

➤ The 5th OJT on Bridge Repair were conducted in Lusaka Region @Rufunsa Bridge and technical assistance to the contractor had been given.

The OJT in Rufunsa Bridge covers the following topics;

- 1. Introduction of Training Program
- 2. Pre-Evaluation Questionnaire
- 3. Summary and Situation of Pilot Project, Repair Methods
- 4. Introduction of Repair Methods (Water Proofing)
- 5. Field Training
 - (1) Water Proofing: Marking of Surface Area, Application of Resin, Drainage Pipe covering
 - (2) Water Proofing
- 6. Post Evaluation Questionnaire

The OJT were attended by the Regional Manager of Lusaka Region, Principal Engineer from RDA Headquarters, Senior Engineers from Lusaka Region, National Council for Construction (NCC), Contractors [Horizon Properties Contractors Limited and Ruthfield Limited) and Luangwa Local Council

The Technical Assistance from Mr. Motofumi Tatshishita of Nicherike Co., Ltd. to the contractor were successfully been instructed and transferred.





July 13: Technical Assistance: Torching of Protruding Fibers

July 14: Technical Assistance: Application of Caticoat Resin





July 17: Message from the Regional Manager

July 17: OJT Lectures





July 18: Technical Assistance: Clearing of Drainage

July 18: Technical Assistance: After Clearing of Drainage





July 18: Technical Assistance: Removal of Markings

July 18: Technical Assistance: Removal of Markings



[Document 4: Activity status photos] (July 2023) [bridge repair]





Fiber cement under construction (P1-A2)



Replacement of expansion device during construction (A2 area)



Silica sand → Re-sieving required



Same as left

◆Rufunsa Bridge on-site technical guidance (bridge surface waterproofing):7/13 (wood)



Material confirmation



Same as left



Checking the condition of the top surface of the floor slab



Surface treatment/grinder treatment



◆Rufunsa Bridge on-site technical guidance (bridge surface waterproofing):7/14 (Money)





Floor slab top surface cleaning



Primer application (bottom side of wall railing)



Primer application (lower side of expansion device)



Primer application (top of deck slab)



Primer complete

◆Rufunsa Bridge on-site technical guidance (bridge surface waterproofing): 7/15 (±)



Silica sand collection (re-sieving)



Same as left





Preparation for dissolving waterproofing material



Waterproofing material dissolution work



Same as left



Same as above



Waterproof layer application (drainage basin)

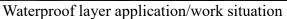


Waterproof layer application (expandable rising part)



Waterproof layer application (lower end of wall railing)







Same as left

◆Rufunsa Bridge OJT: 7/17



Photo of the lecture situation MC: Cherri)



Lecture status (Hikino)



Lecture status (Mr. Tatsushita)



Lecture status



Lecture status



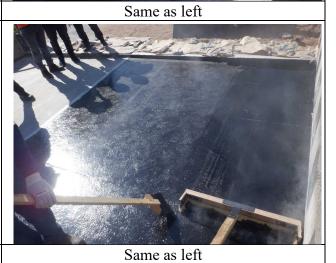
On-site rec (photo at meeting)







Waterproof layer application status



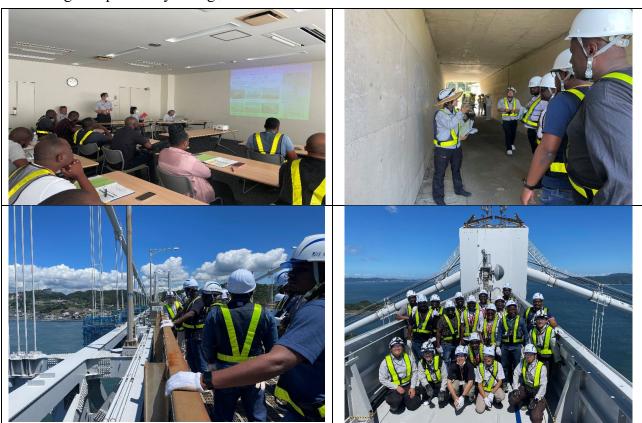


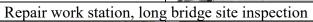




August 2023 Activity

· Training in Japan (July~Aug.)









Presentation of action plan by C/P





Certificate of completion ceremony

September 2023

Activity status photos

Meeting regarding OUTPUT-4 with Gifu University: 9/13 (Wednesday)





Meeting status

• JICA Meeting at the Zambia office (held jointly with Gifu University)





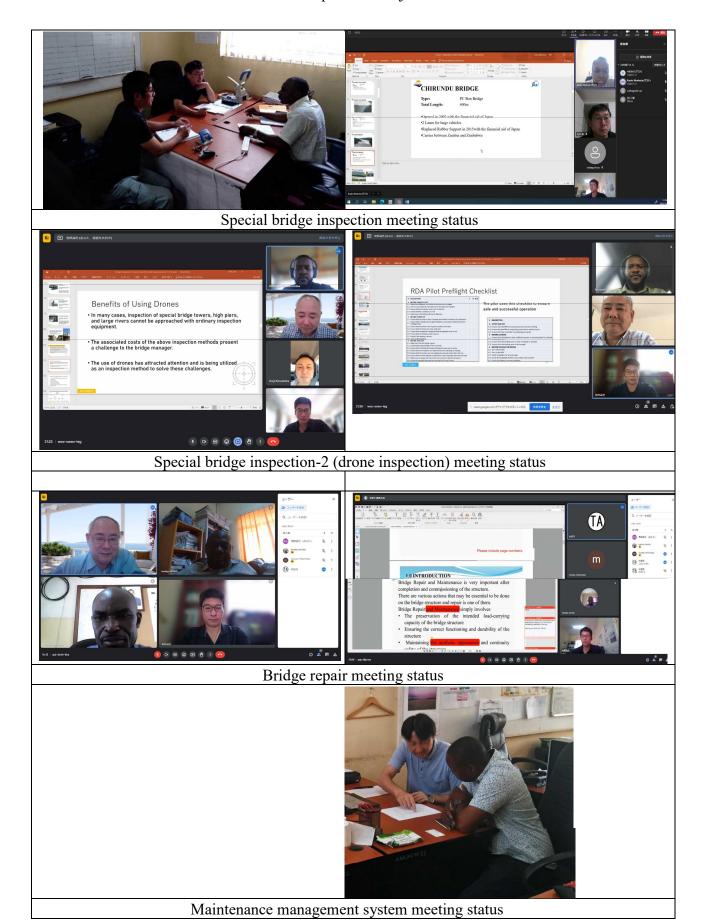
Meeting status

[Outcome 4] Meeting to prepare lectures for BE training course, implementation training, etc.





[Outcome 4] Meeting to prepare lectures for BE training course, implementation training, etc.





Bridge daily maintenance management meeting status

[Special bridge inspection]

• Special bridge maintenance management/technical seminar: 9/27 (Wed)

