

The 7th JOINT WORKSHOP HELD IN HANOI, VIETNAM

March 10-11, 2014

and

The SEMINAR HELD IN HANOI, VIETNAM

March 12, 2014

1. The 7th JOINT WORKSHOP

The 7th Joint Workshop for the technology and policy research of Road and Transport was held in Hanoi by NILIM, Japan and ITST, Vietnam (*) with sister organizations from March 10-11, 2014.

(*)ITST, Vietnam: Institute of Transport Science and Technology, Ministry of Transport, Vietnam

1-1. The theme for this time WS

In this 7th Joint Workshop, picked up six themes focused on;

- 1) Road Noise
- 2) Asphalt Concrete Pavement
- 3) Maintenance and Seismic Design for Road Tunnel
- 4) Maintenance of Port Facilities
- 5) Protective Coating and Weathering Test
- 6) ITS and Traffic Safety



The 7th Joint Workshop

1-2. Outline of Technical Session

1) Road Noise

Japan side presented the road traffic noise prediction and the survey to understand existing conditions in Viet Nam and Vietnam side presented the noise standard along the roads, the technical guidance of noise barriers and the environmental quality standards in road tunnel.

In the discussion, Japan side introduced ASJ model as a useful prediction model for road traffic noise and explained that the accuracy of this prediction need the improvement reflecting Vietnamese situations. Vietnam side showed an interest in testing and installing noise barriers.

Both sides agree to cooperate on the research as follows;
(1) research on Japanese basic standards to establish road traffic noise standards in Viet Nam, (2) research on noise barriers.



2) Asphalt Concrete Pavement

On this session, both sides discussed and exchanged information about 4 topics as following

- a) Deterioration, solution to improve the design and construction quality, and maintenance of asphalt concrete pavement
- b) Recycling asphalt concrete pavement
- c) Materials, structure of asphalt concrete pavement
- d) Methods to checking, testing and assessing the bitumen quality and asphalt concrete pavement.

Finally, both sides concluded to have further research about the following issues.

- a) Solutions to improve asphalt concrete pavement quality in Viet Nam;
- b) Methods of checking, testing and assessing the bitumen quality and asphalt concrete pavement in order to improve mix design and quality control on site;
- c) Japan side will help Vietnam side to further research on recycling technologies in Japan;
- d) Asphalt concrete pavement maintenance and repair technologies.



3) Maintenance and Seismic Design for Road Tunnel
Current situations on road tunnel technologies in Vietnam and Japan, including maintenance and seismic design, were presented and discussed. Also, exchange of views on basic concepts and methods of road tunnel inspection were conducted. As a result, ITST would make up the draft of inspection manual, technically supported by PWRI.



4) Maintenance of Port Facilities

For this topic, Japan side has presented 4 reports and ITST has presented 2 reports. Both sides have discussed the contents of a draft TCVN for rehabilitation and maintenance of port facilities, which has been developed by ITST.

In the meeting, both sides have shared recognition on the importance of considering the feasibility of the draft TCVN in the actual situation and also have discussed how to effectively improve the draft.

For the above-mentioned purpose, NILIM and ITST have agreed to continue to work together.



5) Protective Coating and Weathering Test

Japan side gave a presentation on product specifications of the steel protective coating in Japan and also reported interim results of the collaborative weathering tests. From Vietnam side, presentations on effect of mica mineral in coal tar-epoxy enamel, quality control of the steel protective coating in Vietnam and traffic paint removers in Vietnam were given. As a result of discussions based on the above presentations, both sides have agreed as follows: PWRI continues making a draft guideline of steel protective coating in Vietnam including re-painting techniques, ITST and PWRI expand the collaborative natural weathering tests in Vietnam, Japan side provides a draft manual of paint remover suited to needs and conditions in Vietnam and ITST suggests on application strategy for technology authentication and dissemination.



6) ITS and Traffic Safety

NILIM introduced the ITS Spot services and reported the policies for traffic safety, and ITCT reported the situation of traffic accidents, traffic control, and management of road infrastructure in Vietnam.

NILIM recommended that Vietnam deploy policies in the way which is line with the actual situation in the country with referring Japanese cases, instead of applying Japanese cases as they are.

ITCT requested NILIM to introduce preceding cases in Japan, and we agreed on that NILIM and ITCT will continue to exchange information.

It was decided that the maintenance of ITS infrastructure, operation, evaluation will be discussed in the next WS.



1-3. Reference (History of the Cooperation)

This cooperation was kicked off at an occasion of the visiting of ITST at NILIM in TSUKUBA, May in 2010 with Vice Minister of MoT, Vietnam, when both institutes agreed to the Memorandum of the cooperation in the future scope, which means young and middle researchers be involved in the cooperation in order to keep communication continuously in a long term for making a knowledge network for mutual benefits.

- 2010.05 Tsukuba, Agreement on MOC (Vice Minister visited Tsukuba)
- 2010.09 1st Joint WS in Hanoi (Presentations in 5 fields including Port and Airport, Discussions to identification of the themes of the cooperation)
- 2011.02 2nd Joint WS in Hanoi / Ho Chi Minh / Da Nang WS (Joint Research in the branches of ITST, Drafting Roadmaps, Short Report on Hai Van Tunnel)
- 2011.06 Study Tour in Japan according to the Roadmaps
- 2011.07 3rd Joint WS in Hanoi (Presentations and Discussions, Thang Long Bridge and other topics)
- 2012.01 4th Joint WS in Hanoi (Weathering Test research added in the Roadmaps, Short Report on Thang Long Bridge Pavement Issue)
- 2012.06 Trilateral Workshop for the Interim Report in Tsukuba
- 2012.10-11 5th Joint WS in Hanoi (Presentations and Discussions about Thang Long Bridge, Road Noise, Protective Coating for Steel Structures, Tunnel, Port and Harbor)
- 2013.11 6th Joint WS in Tokyo (Presentations and Discussions about Pavement)

2. The Second Japan – Vietnam Technical Seminar

In the morning, NILIM made a presentation for the ministry of construction and the ministry of transportation of Vietnam, experts of corporations, university professors, and graduate students of university.

In the session, ITS technologies and road pavement technologies of Japan and the situation/ plan of highways and the situation/ countermeasures of traffic in Vietnam were presented and discussed.

Especially, the graduate students of university were earnest and positive at the time of presentation and discussion.



In the evening, a round table meeting was held by the experts of soft ground measures and road pavement technologies.

In the session, soft ground measures and causes of early pavement destruction were discussed.

As ITCT has a strong interest in abovementioned two themes and the experts from university, ministries, corporations participated, the intensive discussion was made for each theme.



(International Research Division)