

The 19th JOINT WORKSHOP HELD IN BANDUNG, BOGOR,
Indonesia
1st to 2nd March, 2018

Institute of Road Engineering in Indonesia (IRE) and NILIM have carried out joint research of road and traffic fields. PWRI is also participating in the joint research as a cooperater of NILIM.

The 20th Joint Workshop was held in Bandung and Bogor, Indonesia by PWRI and IRE on 1st to 2nd March, 2018.

The activities of 20th Joint Workshop are the discussion on Pavement and Site visit on the trial construction site of AsButon.

1. Contents

Discussion on Pavement and Site visit on the trial construction of AsButon

IRE, NILIM and PWRI have carried out joint research on utilization of AsButon which is Indonesian natural rock asphalt. In this workshop, IRE and PWRI went to the trial construction site of steel deck pavement using AsButon guss asphalt mixture, it has been conducting by IRE in Bogor. Then, IRE and PWRI discussed on "Manual for using AsButon as guss asphalt mixture" in IRE.

The trial construction site is Cisadane Bridge which is located in Bogor, it is a truss bridge, 150m (50m×3 spans) in length, 6m in width. One span (50m) of this bridge have been paved with AsButon guss asphalt, the other spans have been paved with one layer of dense-graded asphalt mixture.

Regarding surface condition after in service, the trial section of AsButon guss asphalt was less damaged than the other section.

IRE and PWRI researchers had various discussion of technical matters on this bridge, such as producing guss asphalt mixture, construction methods and traffic conditions.

On the meeting in IRE, both researchers had discussed about " Manual for using AsButon as guss asphalt mixture " Then it was decided that the manual will be updated, on the basis of the result of trial construction in Bogor, to reflect the condition of material conditions and construction procedures in Indonesia.

In addition, IRE and PWRI agreed to continue the application of steel deck pavement using AsButon guss asphalt in Indonesia and Japan (trial construction etc.) and the follow-up research of performance in the trial construction site in Bogor.



Cisadane Bridge (The trial construction site)



Discussion in the trial construction site



Discussion in IRE (Pavement)



Workshop members (Pavement)

2. Reference (History of the Cooperation)

The National Institute for Land and Infrastructure Management (NILIM) and the Institute of Road Engineering (IRE) renewed cooperation arrangement in Indonesia, February 2014.

Under this agreement, NILIM and IRE have been continually sharing research information by jointly holding technical seminars and exchanging researchers to strengthen links between both research institutes and to form international human networks, thereby to contribute the growth of Indonesia.

2009.06	Pre-meeting in Jakarta and Bandung
2009.11	Tsukuba, Memorandum of Cooperation agreed
2010.03	Bandung, (1st Joint Workshop for targeting the themes)
2010.06	Tsukuba, joint meeting for Bali coming symposium
2010.10	International Symposium in Bali (2nd Joint Workshop to declare the strategy for cooperative researches)
2011.01	Jakarta, (3rd Joint Workshop to make the Road maps(1))
2011.06	Sulawesi, (4th Joint Workshop to make the Road maps(2) and site observation
2011.09	Technical Tour in Japan for modernizing experimental Equipment and Facilities of RDCRB (IRE)
2011.10	Lombok, (5th Joint Workshop / Bilateral Seminar)
2012.03	Jakarta and Bandung, (6th Joint Workshop including River and Water Resource issue)
2012.06	Batam, (7th Joint Workshop (Bridge/ Tunnel) and Open Seminar (Long Span Bridge and Tunnel Technology))
2012.06	Trilateral Workshop for the Interim Report in Tsukuba
2013.01	Jakarta, (8th Joint Workshop (Road Environment/ IPT/ Traffic Safety/ Pavement/ Tunnel)
2013.08	Padalarang-Bandung, (9th Joint Workshop (IPT/ Traffic Safety/ Pavement/ Tunnel))
2013.11	Tokyo, (10th Joint Workshop (Tunnel/ Pavement))
2014.02	Jakarta, Labuan Bajo and Denpasar, (Cooperation Arrangement renewed, 11th Joint Workshop (Road Side Station of Corridor 5/ Road Environment/ IPT/ Tunnel/ Pavement)
2014.03	Tsukuba, (12th Joint Workshop (Michinoeki/ Pavement))
2014.10	Jakarta, (13th Joint Workshop (Tunnel))
2014.11	Bali, Flores and Buton, (14th Joint Workshop (Road environment/ Road Side Station/ AsButon)
2016.02	Tsukuba, (15th Joint Workshop and Site visit (Pavement/ AsButon/ Road Side Station)
2016.02	Jakarta, Buton Island and Bali, (16th Joint Workshop and Site visit

(Michinoeki/ Traffic Data Collection/ Pavement/ Tunnel)

- 2016.11 Bandung, Jakarta, (17th Joint Workshop and Site visit (Road Environment)
- 2017.03 Bali, (18th Joint Workshop (Pavement)
- 2017.10 Tsukuba, Tokyo, (The mid-term Conference and Site visit (Various infrastructure facilities)
- 2018.02 Bandung, (19th Joint Workshop (Tunnel)