

**JOINT SURVEY AND MEETING
ON TECHNOLOGYCAL MARKET IN VIETNAM
FOR
ENHANCEMENT
OF ROAD AND TRANSPORT FUNCTION
15-17 FEBRUARY/2011**

From 15th to 17th February, NILIM and ITST (Institute of Transport Science and Technology, Ministry of Transport, Vietnam) held successfully JOINT SURVEY AND MEETING ON TECHNOLOGYCAL MARKET in Vietnam(at Ha Noi, Da Nang and Ho Chi Minh) together with sister organization of PWRI(Public Works Research Institute, Japan) members. At the meeting, both sides jointly made presentations and discussions in the technological field of road and transport to enhance the function in Vietnam, its being on a basis of Joint Workshop in September 2010 in Hanoi. These actions were delivered in line with the MoC signed by Director General of ITST and Director General of NILIM in May 2010.

As the conclusions of this meeting, both sides agreed to make up the Research Road Maps for the themes below to accelerate the cooperation in order to achieve the concrete resolution for the social welfare and the growth in economy, which will direct the next actions in coming 3 or 4 years ahead;



- 1) Road Noise in Vietnam
- 2) Porous Pavement and Steel bridge deck Pavement in Vietnam
(including: water proof layer, cohesive layer and pavement)
- 3) Construction and Maintenance Method of Tunnel in Vietnam
- 4) Technology Transfer of Port and Harbor Facilities Rehabilitation and Maintenance

Each of the Road Maps showed here briefly as APPENXDIXES.

And regarding the Vision of 4 modern Laboratories planned by ITST, the Weathering and Exposure Test cooperation proposed from Japanese side to research the durability of materials was received with welcome by Vietnam side. In the field of ITS both sides recognized the necessity of more understanding of future visions and conditions in Vietnam.

(International Research and Promotion Division)

Note: All activities planned here will be conducted under the limitation of annual budget of respective institutes. The Road Maps here are not the international agreement but respective institutes will make efforts, together with related researchers and organizations, to get useful technological achievements for road and transport policy.

1 Road Map for “Road Noise in Vietnam”

1) Period:

Four years from 2011 to 2014

2) Scope of Road Map

2011: Making investigation plan

2012: Investigation situation of road noise in Vietnam

2013: F/S

2014: Making report

2-1 Road Map for “Technology Transfer of Porous Asphalt”

1) Period:

Three years from 2011 to 2013

2) Target of the year:

2011: Examination of pavement materials. Examination of Asphalt plant in Vietnam

Study tours in Japan

2012: Field test in Vietnam and evaluate their effectiveness including noise reduction.

Developing technical guideline for porous asphalt (Including performance based specification)

2013: Jointly workshop in Vietnam

2-2 Road Map for “Guideline Development of Steel bridge deck Pavement”

1) Period:

Three years from 2011 to 2013

2) Scope of Road Map

2011: Investigation of pavement distress (cracking, emergence) of Thang Long bridge in Vietnam.

Examination of pavement materials in Vietnam

Study tours in Japan

2012: Developing technical guideline for Steel bridge deck pavement (Including performance based specification)

Field test of asphalt pavement (SMA, gussasphalt etc.) in Vietnam.

2013: Jointly workshop in Vietnam

3. Road Map for “Construction and Maintenance Method of Tunnel in Vietnam”

1) Period:

Four years from 2011 to 2014:

2) Scope of Road Map

2011 to 2012: Mutual understanding about state-of-the-art of various tunnel situation and construction methods, deformation monitoring of lining structure in exploitation process and maintenance technology

2013: Implementation of research relating to tunnel and underground structure

2014: Make-up the draft of technical guideline about tunnel

4. Road Map for “Technology Transfer of Port and Harbor Facilities Rehabilitation and Maintenance”

1) Objective:

To transfer technology of port and harbor facility rehabilitation and maintenance from Japan to Vietnam

2) Scope of Road Map

2011 to beginning of 2012 Mutual understanding about state-of-the-art of various port and harbor facility situation and rehabilitation/maintenance methods

2012 Implementation of research relating to port and harbor facility rehabilitation by Vietnam side

2013 Make-up the draft of technical standard/guideline about port and harbor facility rehabilitation and maintenance