

**Road Asset Management  
Training & Exchange of Experience Workshop  
Program**

**Asian Development Bank, Manila  
Nov 20-21, 2017  
Rm. 61018 NW**

**Background**

Transport asset management principles are becoming increasingly important to help agencies manage their physical assets as they face fewer available resources, higher expectations for customer service, and increased demand for more transparency in the decision process. In an asset management environment, investment decisions are linked to targeted performance levels that have been established based on current and expected asset conditions. Trade-offs between investments in different asset classes and different investment priorities can be assessed because of the availability of reliable data and a clear set of performance metrics that the agency hopes to achieve. As a result, agencies are better able to use their funding effectively and to defend their need for additional resources. Using asset management principles becomes very critical for developing and under-developed countries.

**Workshop Objectives**

This workshop introduces a strategic approach to managing physical transportation infrastructure. The workshop covers the principles of asset management and introduces the five core questions every agency should be able to answer about its assets. Through a series of slide presentations and **case studies**, the workshop introduces the participants to the application of asset management principles in practical and real life situations at both the project and network levels. Topics covered in the workshop include:

1. Asset management basics
2. Asset management data needs
3. Case studies
4. Performance based decision making
5. Asset management plans
6. Organization structure

**Learning Outcomes**

Upon completion of the two-day workshop, participants will be able to:

1. Champion the use of asset management principles and concepts within ADB, client agencies and other transport stakeholders
2. Define their role in supporting an agency's asset management efforts
3. Identify the strengths and weaknesses of an agency's asset management program
4. Identify strategies for advancing an agency's use of asset management principles
5. Explain how to determine whether an agency is making sustainable, long-term investments in its assets
6. Understand the basics of a transportation asset management and financial plan

Day 1	November 20 Monday
8:30-9:00	<b>Registration</b>
9:00 -10:00	<b>Welcome Remarks and Introduction</b>  <b>What is road asset management (RAM)? Why do we need road RAM?</b> (Wayne Hatcher, Senior Principal, Strategic Asset Management – Road Network Management Centre of Excellence, Opus International Consultants Ltd.)
10:00 - 10:15	<b>Coffee Break</b>
10:15- 11:00	<b>What is RAM?</b> <b>Group activity: “Home Improvement Workshop”</b> (Omar Smadi, Iowa State University, Associate Professor, CCEE Department; Director,Center for Transportation Research and Education)
11:00-12:00	<b>Road Asset Management Tools (part 1)</b>  <ul style="list-style-type: none"> <li>• Inventory and Condition Data to support road Asset Management  (Wayne Hatcher, Senior Principal, Strategic Asset Management – Road Network Management Centre of Excellence, Opus International Consultants Ltd.)</li> </ul>
12:00 - 1:30	<b>Lunch Break</b>
1:30- 2:30	<b>Road Asset Management Tools (part 2)</b>  <ul style="list-style-type: none"> <li>• Pavement management systems, bridge management systems, etc...  (Omar Smadi, Iowa State University, Associate Professor, CCEE Department; Director,Center for Transportation Research and Education)</li> </ul>
2:30 -2:45	<b>Coffee Break</b>
2:45 - 4:45	<b>Performance-based Decision Making</b>  <ul style="list-style-type: none"> <li>• Performance Measures  (Wayne Hatcher, Senior Principal, Strategic Asset Management – Road Network Management Centre of Excellence, Opus International Consultants Ltd.)</li> <li>• Cross-Asset Decision Making – Smadi  (Omar Smadi, Iowa State University, Associate Professor, CCEE Department; Director,Center for Transportation Research and Education)</li> </ul>

<b>Day 2</b>	<b>November 21 Tuesday</b>
<b>8:30-9:00</b>	<b>Registration</b>
<b>9:00 – 10:30</b>	<p><b>Road Asset Management Case Studies</b></p> <ul style="list-style-type: none"> <li>• Experiences from the US – Smadi (Omar Smadi, Iowa State University, Associate Professor, CCEE Department; Director, Center for Transportation Research and Education)</li> <li>• Experiences from around the world – Hatcher (Wayne Hatcher, Senior Principal, Strategic Asset Management – Road Network Management Centre of Excellence, Opus International Consultants Ltd.)</li> </ul>
<b>10:30-10:45</b>	Coffee break
<b>10:45- 12:00</b>	<p><b>Using RAM for Planning &amp; Program Development</b></p> <ul style="list-style-type: none"> <li>• How RAM influences program development? (Wayne Hatcher, Senior Principal, Strategic Asset Management – Road Network Management Centre of Excellence, Opus International Consultants Ltd.)</li> </ul>
<b>12:00 - 1:30</b>	Lunch Break
<b>1:30 - 3:30</b>	<p><b>Group Activity</b></p> <ul style="list-style-type: none"> <li>• Organization Structure to support RAM &amp; TAM (Omar Smadi, Iowa State University, Associate Professor, CCEE Department; Director, Center for Transportation Research and Education)</li> <li>• ADB case Studies (Wayne Hatcher, Senior Principal, Strategic Asset Management – Road Network Management Centre of Excellence, Opus International Consultants Ltd.) and (Omar Smadi, Iowa State University, Associate Professor, CCEE Department; Director, Center for Transportation Research and Education)</li> </ul>
<b>3:30 - 3:45</b>	Coffee Break
<b>3:45- 4:30</b>	<p><b>Closing</b></p> <ul style="list-style-type: none"> <li>• Closing remarks</li> <li>• Q&amp;A and evaluation</li> </ul>