



BHARATMALA
ROAD TO PROSPERITY



भारतीय राजमार्ग अभियन्ता अकादमी
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)
Indian Academy of Highway Engineers
(Ministry of Road Transport and Highways, Govt. of India)



Asset Management for Highways

Day-1	
09:45-13:00	Asset Management Concept and Principles, International Practices: <ul style="list-style-type: none"> ➤ Assets Definition ➤ Necessity of Asset Management ➤ AM Systems & Process ➤ Components/Parts of Asset Management ➤ Goals & Objectives ➤ Software Tools ➤ Data requirement ➤ Advantages ➤ Policies & Institutional Framework ➤ Case Studies
14:00-17:15	Prioritization and Investment Decision <ul style="list-style-type: none"> ➤ Performance Modeling ➤ Performance Indicators ➤ Cost estimation ➤ Analysis Options ➤ Rating Condition and Priority Indices ➤ Network & Project Level Prioritization ➤ Optimization ➤ Sensitivity Analysis ➤ Implementation and review programs ➤ O&M Rating
Day-2	
09:45 - 17:15	Road Inventory, Condition Survey & Rating: <ul style="list-style-type: none"> ➤ Pavement Inventory ➤ Inspection ➤ Condition Survey (Type, Extent & Severity of Distresses) ➤ Modern Data Collection Techniques: NSV, Drones, Lidar, Satellite imagery, IRI, FWD, Skid Resistance ➤ Pavement Evaluation- Functional Structural ➤ Prediction models, Rating ➤ Examples
Day-3	
09:45 - 17:15	Bridge Inventory & Condition Survey & Rating: <ul style="list-style-type: none"> ➤ Bridge Inventory ➤ Inspection ➤ Condition Survey (Type, Extent & Severity of Distresses) ➤ Modern Data Collection Techniques: MBIU, Drones, Lidar ➤ Bridge Evaluation ➤ Prediction models ➤ Rating ➤ Examples

Please note: All correspondence should be addressed to the Director by designation only

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Day-4 (Ministry of Road Transport and Highways, Govt. of India)	
09:45 - 13:00	Repair and Rehabilitation of Flexible Pavement <ul style="list-style-type: none"> ➤ Reasons for Distresses ➤ Methods of Repair & Rehabilitation ➤ New Materials and Techniques ➤ Performance Evaluation ➤ Case Studies
14:00-17:15	Repair and Rehabilitation of Rigid Pavement <ul style="list-style-type: none"> ➤ Reasons for Distresses ➤ Methods of Maintenance Repair & Rehabilitation ➤ New Materials and Techniques ➤ Performance Evaluation ➤ Case Studies
Day-5	
09:45 - 13:00	Repair and Rehabilitation of Bridges <ul style="list-style-type: none"> ➤ Distress Types ➤ Reasons for Distresses ➤ Methods of Maintenance Repair & Rehabilitation ➤ New Materials and Techniques ➤ Performance Evaluation ➤ Case Studies
14:00-15:30	Repair and Rehabilitation of Project Facilities and other Components <ul style="list-style-type: none"> ➤ Toll Plazas ➤ Shoulder ➤ Embankment Slope ➤ Drain ➤ Crash Barrier ➤ Signs & Marking ➤ Median, Footpath ➤ Street Lighting ➤
15.45 to 17.15	Test, Evaluation and Feedback

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