€TRAINING

Road Asset Management

Road Asset Management

Introduction:

Since technological advancements have made it possible for road agencies to choose the best decay forecasting methods and also reuse materials from one part of the road network to another, this Road Asset Management training program will further improve understanding of the applicable methods, tools, and techniques for road data gathering and analysis in order to improve the system of road construction and maintenance.

Program Objectives:

At the end of this program the participants will be able to:

- Recognize the value of road asset management.

- Use contemporary equipment and technology to forecast road deterioration.

- Create a road asset management strategy based on the predicting of degradation and Exanining it.

- Plan and prioritize the upkeep of the roads based on a variety of factors. making decisions.

- Recognize and apply materials from one area of the road network to another.

- Define the conditions that will make the Road Asset Management System successful there.

Targeted Audience:

- Project Managers.

- Highway and Road Engineers.

- Traffic and Transportation Engineers.

- Incident Response Team Members.

- Application Designers.

- Law Enforcement Professionals.

- IT Professionals.

Program Outline:

Unit1:

Road Asset Management Overview:

- Asset management: what is it?

- Why Manage Assets?

- Asset management advantages.

- Current Practice Review.

- Specifying the Ideal Practice.

- Travel Methods.

Unit2:

Plan for Asset Management:

- Classification of Roads.

- Modern Data Collection Methods and Tools.

- Plans, Methods, Resources, and Information to Support Asset Management.

- Assessment and Control of Risk.

- Information systems for transportation asset management.

- Plan for Implementation.

Unit3:

Road Asset Management Implementation:

- Starting Point.

- Levels of Service.

- Option Identification through Decay Forecasting, Material Reuse, Road Construction as maintenance option and Decision Making.

- Decision Making.

- Service Delivery.

- Reporting and Monitoring.

Unit4:

Paved and Unpaved Roads:

- Management of Highway Assets.

- Organisational structure of Other Paved Roads.

- The budget allocation process for the Network Management Group.

- A list of the assets for the highway infrastructure.

- Activities, Asset Groups, and Components.

- Budgeting standards at the strategic level based on needs.

- Paved roads upgrade, and unpaved roads.

Unit5:

Road Maintenance:

- Road Maintenance in Advance.

- Emergency Road Repairs.

- Rehabilitating roads.

- Reconstruction of roads.

- Upcoming gap analysis tool.