## *Module 1 - 1*

***Introduction and Course Objectives***

## Introduction

**Rehabilitation**

- Traffic loads / volumes
- Aging pavement system
- Limited financial resources

**Need for training in rehabilitation**

- More difficult than new design
- Technology advancing rapidly

## What are the 4 Rs?

| | |
|---|---|
| R _____ | R _____ |
| R _____ | R _____ |

## Evolution of 4R / TFPR Course

**Since 1980**

- Over 160 presentations
- Over 5,000 participants
- NHI's most popular course

**Six Editions**

- 1980
- 1982
- 1984
- 1987
- 1993
- 1998

## Course Objectives

**Overall -** Provide assistance in developing the best rehabilitation alternatives

**Specific**

- Describe typical performance
- Recognize common distress types and their causes
- Be familiar with field surveys
- Describe design considerations and processes

## Course Objectives

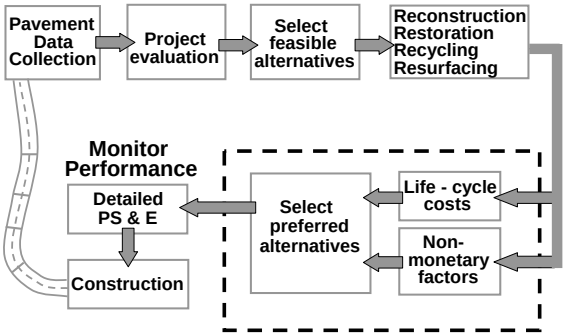
**Specific**

- Recognize principles and importance of proper preparation of existing pavement
- Develop, evaluate and select the most cost-effective 4R alternative
- Identify better types of rehabilitation

## Course Organization

1. Introduction and Course Objectives
2. Project Survey and Evaluation
3. Flexible Pavement Rehabilitation Techniques
4. Rigid Pavement Rehabilitation Techniques
5. Selection of the Preferred Alternative
6. Workshops on 4R Project Design

## Steps In The Rehabilitation Process




## Other Related NHI Courses

(13127) Pavement Deflection Analysis

(13126) Pavement Subsurface Drainage Design

(13129) AASHTO Pavement Overlay Design

(13130) Pavement Analysis and Design Checks

## NHI Warehouse

Course Catalogs

Participant's Manuals

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## Summary

Introduction / Background

Course Objectives

Course Organization

Other NHI Courses