

Pavement Preservation



Fugro is a leading pavement consulting engineering firm in the United States. We specialize in pavement research and development, pavement management support, pavement materials research and testing, and pavement preservation. We are able to offer the professional services necessary to develop and implement a total pavement preservation program for you.

Pavement Preservation

The principal components of an effective Pavement Preservation (P2) Program are applying the right treatment to the right road at the right time. Although stated simply, these elements require an agency to develop a systematic approach to determine what is the right treatment for a given road at a given point in time. This enables a program to be cost effective and to provide the expected benefits of longer service life and customer satisfaction.

Establishing Program Guidelines

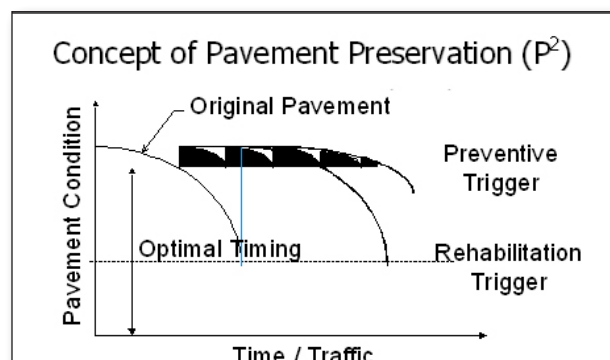
A Pavement Preservation Program is used to provide overall goals and strategies and it includes everything from identifying the Program Coordinator to documenting environmental or

safety issues. It is important to remember that guidelines must also established how to measure progress.

Determining Maintenance Needs

The contracting agency needs to have a complete inventory of all the roads and streets under their jurisdiction. This inventory should contain such information as types of pavement surfaces, layer thicknesses, materials information, traffic, and existing conditions.

The other facet of establishing needs is defining the threshold values that instigate a pavement preservation activity for a given condition. These values can be based on whatever criteria your agency desires. Fugro will work with your staff to determine these threshold values.



The Pavement Preservation Concept

- Austin TX
- Baton Rouge LA
- Beaumont TX
- Columbia MD
- Corpus Christi TX
- Dallas TX
- Fort Worth TX
- Houston TX
- Lake Charles LA
- Los Angeles CA
- New Orleans LA
- Pasadena TX
- Phoenix AZ
- San Antonio TX
- Waco TX

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Provide a Framework for Treatment Selection

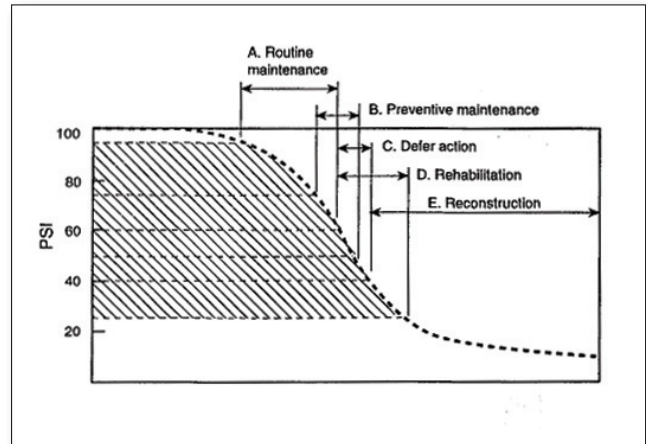
It is important that the maintenance treatment selected be the “right” one for the type and level of distress, climate, and expected level of service of the project. Understanding the performance features of potential treatments for your agency is very important in selecting the most cost effective treatment. Fugro professionals can help you develop this framework based on decades of experience with various treatments.

Develop Cost Effective Analysis Procedures

There are a number of different procedures to determine the most cost effective treatment. Some of them are simple and straightforward while some are very complex. Fugro professionals will work with your staff to determine the best approach to fit your needs.

Provide a Mechanism to Determine Program Effectiveness

This aspect of a comprehensive Pavement Preservation Program is designed to provide a mechanism for your agency to determine how effective the program is in accomplishing your pavement improvement goals.



Conceptual Relationship for Timing of Various Maintenance and Rehabilitation Treatments

Let our Fugro professionals help you set up a comprehensive program for Asset Management, Pavement Management, and Pavement Preservation.

Local Expertise. Worldwide Strength.

Fugro Consultants is an engineering and consulting firm that provides onshore geotechnical engineering services, construction materials engineering and testing, pavement management programs, nondestructive testing, in-situ field measurements and geophysical investigations. Fugro operates in 50 countries with more than 12,000 employees in approximately 275 locations with offices and laboratories in Texas, Louisiana, California, Arizona and South Carolina. **888.241.6615** www.fugroconsultants.com

