8th Annual ACPA Workshop

January 31th, 2007

CPR Project Selection

CPR Project Selection

Is a function of the following:

Selecting the RIGHT TREATMENT to the RIGHT ROAD at the RIGHT TIME

CPR Project Selection

CPR Treatments involve:

- **Spall Repair**
- **Full Depth Concrete Patching**
- **Diamond Grinding**
- **Slab Jacking / Slab Stabilization**
- **Dowel Retrofit**
- **Stitching**

CPR Project Selection

- Treatments are dependent on the condition of the roadway
- Combination of treatments are commonly used
- No one size fits all – Designer MUST understand the pavement distress

CPR Project Selection

Project Selection:

1. **Network Level Analysis**
   - Using Pavement Management Data
2. **Project Level Analysis**
   - Using PMS data and Project Field View

CPR Project Selection

- System level analysis is from Pavement Management Data is too broad and generic
- System level data does not contain sufficient detail to properly analyze and select treatments
- Field View analysis is more reliable and accurate for determining treatments at the project level

CPR Project Selection

Project Timing is critical to the success of CPR projects

Ideally Projects should selected using cyclic maintenance strategies:

- 5 – 10 yrs Joint Resealing
- 15 Diamond Grinding (Patching)
- 20-25 yrs CPR / Rehabilitation
- PennDOT's MECE Guidelines

CPR Project Selection

Timing of the treatment should be that the most cost effective treatment be placed to most extend the pavement life

The pitfall to DOT's is that the public questions the need for the project

CPR Project Selection

Selecting the Right CPR Treatment for the Right Concrete Road at the Right time is the most cost effective solution to extend pavement life

QUESTIONS ?