## **GENERAL OVERVIEW**Pavement Management Program Questionnaire

- 1. Where in the State Highway Agency (SHA) is the Pavement Management System (PMS) Unit located?
- 2. What is the primary role of the PMS in the State highway program?
- 3. How many full time SHA employees are assign to the PMS Unit?
- 4. Which SHA Offices provided information or support to the PMS Unit?
- 5. How is the PMS use by the SHA individual Offices (Central Office and Field Offices)?
- 6. Who are the PMS main costumers outside the SHA?
- 7. How is the PMS used to evaluate either the accuracy, quality, or the cost effectiveness of?
  - a. pavement designs
  - b. rehabilitation treatments
  - c. construction specifications and procedures
  - d. materials
  - e. preventive maintenance
  - f. reactive maintenance
  - g. cost-effectiveness of pavement preservation treatments and strategies.
- 8. Explain the process use to select pavement preservation treatments at the project level and develop preservation strategies at the network level.
- 9. List the products presently produced by the PMS Unit.
- 10. Are their any new PMS features under development or under contract?
- 11. Do you have a feedback or update process in your PMS? If yes, please explain the feedback process.

## **PAVEMENT MAINTENANCE**

- 1. What type of pavement maintenance strategies are evaluated by your PMS? i.e., preventive, reactive corrective
- 2. List the maintenance treatments use by your State.
- 3. How are the maintenance treatments evaluated by the performance analysis(surface treatments, slurry seals, spall repairs, etc.)?
- 4. What variables are used to perform the analysis?
- 5. Which are the typical results do you obtain with the pavement maintenance performance analysis?
- 6. Is the identification and selection of maintenance treatments done in conjunction with the PMS analysis? Is it done using the PMS software? If not, please explain how it is done.
- 7. How your agency conducts an evaluation of the performance of maintenance treatments?
- 8. List the pavement preservation strategies and treatments used by your State Maintenance Office.
- 9. List the pavement preservation strategies and treatments included in the PMS.
- 10. Describe the method used to evaluate the performance of pavement preservation strategies and treatments.
- 11. Describe the method, if any, used to evaluate the cost-effectiveness of pavement preservation strategies and treatments.

## **PAVEMENT MATERIALS**

- 1. What type of pavements are evaluated by the PMS?
  - HMA
  - PCC
  - Surface Treatments
  - Others(Please list)
- 2. What type of materials are evaluated by your PMS(AC, Aggregates, Soils, PCC, etc.)? How are the materials evaluated by the PMS?
- 3. Is the PMS able to document the different layers in the pavement structure on any given section of highway network?
- 4. What typical results do you obtain with the materials performance analysis?

## **PAVEMENT CONSTRUCTION**

1. What type of pavement construction practices are evaluated using the PMS? How is this done?

aggregates and binders rideability mix requirements, (ac content, air voids, density, compression strength) density (sub-grade, base, HMA)

- 2. What type of construction data is maintained in the PMS database?
- 3. How does the SHA use the construction data in the PMS?
- 4. How are analysis results used to improve the quality of construction?