

Highway Pavement Maintenance: State-of-the-Practice Review Review Questions

Note: This guideline needs to be checked carefully against FHWA's current requirements

Division Operations:

1. How is the division's annual maintenance program developed? Is the program a stand-alone document or is it included in the division's annual stewardship plan?
2. What activities are included in the annual maintenance plan?
3. Who is involved in developing the annual maintenance program/ who is responsible administering the activities included in the annual program?
4. Is an annual maintenance summary report prepared by the division office?
5. Does the State submit an annual Interstate Maintenance Program (IMP) update? Is it reviewed by the division office?
6. Is the IMP a useful document?
7. What maintenance documentation is retained by the Division? Which reports are forwarded to the Headquarters?
8. What involvement does the division have with the State's maintenance program? (Regulatory/compliance, program improvement, technology transfer, etc.)
9. Has the division been involved in any innovative activities with regards to the State's maintenance program?
10. Discuss any successes or failures which may be useful to other States/divisions?
11. What areas within the State's maintenance program should FHWA be involved in order to add value to the program?
12. What methods does the division use to identify opportunities for adding value to the State's maintenance program? What are some other potential methods for identifying opportunities?
13. Has the division been involved in the State's preventive maintenance activities? Has the State used or been encouraged to use Federal-aid funds in these activities?
14. Has any State and/or division guidance been issued which identifies types of preventive maintenance activities that are eligible for Federal-aid funding? Does this or other guidance address when safety upgrades must be included in these projects?

State DOT Operations (Division Audience):

1. Has the Interstate Maintenance (IM) fund transfer option been utilized by your State? If so, in which years and how much as a percent of your annual IM budget?
2. What types of preventive maintenance activities are being utilized by your State. Are Federal-aid funds participating in preventive maintenance?
3. What types of innovative practices, techniques or equipment is the State using which may benefit other States?
4. Is the IMP and its annual update a useful document? How is it used by the State?

5. Through what types of activities can FHWA add the most value to your program? (i.e., technology transfer, process/product reviews, more active involvement in program, etc.)
6. What current FHWA programs are a benefit to your maintenance program? What current FHWA programs are a hindrance to your division maintenance program?
7. How did FHWA's adoption of a systems preservation philosophy affect the State's program? Did this lead to more Federal-aid funds being used on preventive maintenance activities?

State DOT Audience:

1. Do you have a pavement preventive maintenance (PM) program in place? If not then are there specific reasons for this?
2. Are there dedicated funds or allocation of highway regular funds for preventive maintenance set up? If not then what is the source of PM?
3. Who controls the allocation of funds for highway improvements?
4. Are the capital improvement program funds decreased by the amount of funding earmarked for preventive maintenance?
5. What is the source of PM funding?
6. What types of preventive maintenance treatments does your State use?
7. How much extended service life do you estimate is gained by their use? How has this been verified?
8. Do you have preventive maintenance strategies? (A PM strategy is defined as a series of treatments applied over the life of the pavement)
9. How are these strategies used? To select pavements or treatments during the design process that provide for the least life cycle costs? Are they used to prepare maintenance budgets?
10. How does functional class of the roadway affect strategies?
11. How does traffic volume affect strategies?
12. What research do you think is needed to further the knowledge of PM?
13. Would you like to see FHWA initiate research and other related technology exchange programs. If yes then provide any examples.
14. Are you familiar with the AASHTO Lead State initiative efforts in preventive maintenance?