

Scope of Work

Southern States Pooled Fund Pavement Preservation Program

Background

The American Association of State Highway and Transportation Officials (AASHTO) and Federal Highway Administration (FHWA) have long recognized the need for expanded pavement preservation initiatives among the state highway agencies and local agencies. To alleviate this need, AASHTO recommended the creation of the National Center for Pavement Preservation (NCPP). The mission of the NCPP is to lead a collaborative national effort by government, industry and academia participants to advance and improve pavement preservation practices through education, outreach, and research.

Pavement preservation is defined to include routine maintenance, preventive maintenance and minor rehabilitation. The topic is comprehensive and encompasses the areas of pavement management, long-term network planning, optimization, cost-effective decision making, and sustainable financing.

Services Provided to State Highway Agencies

The NCPP is prepared to accommodate requests from state highway agencies to address pavement preservation needs by providing specialized services in three principal areas: outreach and assistance, applied research, and addressing training needs. The assistance will focus on advancing the state-of-practice in government and industry to improve pavement preservation practices. Tasks to be performed by the NCPP will include:

- Serve as a technical resource for pavement preservation activities (e.g., workshops, clearinghouse, training development) as requested by government agencies.
- Assist the FHWA, government agencies, and the industry to educate others about the benefits of pavement preservation.
- Assist government agencies to enhance their pavement preservation knowledge through coordination of research activities.
- Advise and assist state and local governments to establish or improve their pavement preservation programs and gain a greater institutional understanding of asset management concepts.

The “Southern States Pooled Fund Pavement Preservation Program” will assist participating states to jump-start their efforts to implement pavement preservation and update their use of current preventive maintenance treatments. Specific activities performed by the NCPP may include the following services and deliverables to individual agencies.

1. Develop or update uniform guidelines for the establishment and administration of a preventive maintenance program;
2. Assist the agency integrate preventive maintenance treatments into its pavement management system, including establishing trigger values for pavement condition parameters, limiting thresholds values for each treatment, and life extending values for each treatment;
3. Help the agency streamline its business process for timely delivery of preventive maintenance projects;
4. Assist the agency draft uniformly consistent specifications for preventive maintenance treatments;
5. Support agency field staff with pavement evaluations of potential candidate projects for preservation treatments;
6. Provide customized preservation training to the agency; and,
7. Offer assistance in areas deemed necessary by the agency.

The technical staff members of the NCPP are Professional Engineers with considerable highway agency experience in design, materials, construction, preservation, and maintenance techniques. The technical staff has served on national panels and committees affecting the national preservation direction and policy and will continue to do so.

Funding Commitment

Services will be provided for a \$15,000 level of effort each year. In the event that a particular state's needs could not be adequately addressed with the resources available, NCPP would be willing to enter into a special agreement to provide additional customized assistance.