

Available Technical Support for Pooled Fund Participants

TPF-5(522)

Improving the Quality of Pavement Preservation
Construction and Data Collection Practices

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Todd Shields
Mark Waits

National Center For Pavement Preservation (NCPP)



Available Project Support

- ▶ Project Planning Support
- ▶ Pre-Work Planning and Training
- ▶ On-Site (workday) Support
- ▶ Post-Work Assistance



Support Teams


- ▶ NCPP
- ▶ Industry Partners
 - FP2 – Foundation for Pavement Preservation
 - Based on availability, location and expertise
 - PPRA Members (ISSA, AEMA, ARRA)
 - Based on availability, location and expertise



NCPP SUPPORT LEADS

- ▶ **Rex W. Eberly – Preservation Specialist**
 - 25+ Years Experience in Pavement Preservation Contracting
 - 10+ Years Experience with ISSA and PPRA
- ▶ **Todd Shields – Transportation Asset Preservation Engineer**
 - 28+ Years Experience with Indiana DOT
 - Pavement Preservation Champion and Trainer
- ▶ **Mark Waits – Preservation Specialist**
 - 11 Years Contracting Experience
 - 36+ Years with Alabama DOT
 - Pavement Preservation Champion and Trainer

Role of Industry Volunteers

- ▶ Provide Local and Regional Knowledge of Materials, Specifications and Construction Practices.
 - ▶ Assist NCPP With All Support Activities on As-Needed Basis
 - Specification Review
 - Training
 - Data Collection and Documentation
 - ▶ Provide Long-Term Documentation of Test Cell and Control
 - Visit Project At 6-month Intervals for at Least 2-Years.
 - Document Information with:
 - Photos
 - Narrative
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Project Planning Support

► **Description:** Working with our partners and stakeholders, NCPP will provide support, guidance, and direction during pre-construction activities including:

- Treatment Selection
- Site Selection
- Specification Development
- Project Planning and Design
- Plan Review
- Just-In-Time Training for Agency (Virtual)
 - Specification and Design
 - Inspector Training
 - QC / QA Protocols

Form	Chip Seal Construction Data Sheet
Project	Location Description
Section	Section if multiple variations
Owner	Agency
Item	Description
1	LAYER NUMBER (From Data Sheet XX)
2	DATE SEALING BEGAN
3	DATE SEALING COMPLETE
Design Information	
4	TYPE OF BINDER
5	DESIGN METHOD USED
6	DESIGN METHOD COMMENTS
7	APPLICATION RATE FOR BITUMINOUS MATERIAL
8	APPLICATION RATE FOR AGGREGATE
9	MATERIAL TEST RESULTS
General Condition Information	
10	PRIMARY DISTRESS
11	PRIMARY DISTRESS SEVERITY
12	PRIMARY DISTRESS EXTENT
13	SECONDARY DISTRESS
14	SECONDARY DISTRESS SEVERITY
15	SECONDARY DISTRESS EXTENT
16	DISTRESS COMMENTS
19	PAVEMENT SURFACE PREPARATION
20	PAVEMENT SURFACE PREPARATION COMMENT
21	EXISTING PAVEMENT MARKING TREATMENT
22	EXISTING PAVEMENT MARKING TREATMENT COMMENT

Construction Support

- ▶ **Description:** Working with our partners and stakeholders, NCPP will provide support, guidance, and direction during the construction activities including:
 - Provide on-site assistance during the construction of the agency selected pavement preservation. This would be one trip per one participating agency site.
 - Support Includes:
 - Conduct Pre-Paving Huddle with Agency / Contractor / Volunteers to review construction plans, specifications and expectations.
 - Data Collection and Completion of Documentation Forms
 - As needed Construction and Inspection Support



Post-Construction Support

- ▶ **Description:** Working with our partners and stakeholders, NCPP will provide support and guidance during the post-construction activities including:
 - Establish and Document Actual Test Cell Locations
 - Assist in developing an After Construction Review with Agency / Contractor / Support Team
 - Lessons Learned
 - Assist in gathering and collecting all relevant information and data.
 - Assist in the Analysis of Post-Construction Data.



Support Flow

