

## **INSTRUCTIONS FOR COMPLETION OF PAVEMENT DESIGN REQUEST—INDOT PROJECT**

The Pavement Design Request for an INDOT project must be submitted on an INDOT Memorandum or on Consultant's letterhead.

- (1) For an INDOT project, enter I, US, or SR and number.
- (2) The county or counties in which the project is located.
- (3) Lead designation number of project.
- (4) Give Functional Class as shown on the INDOT SPMS project listing.
- (5) Give the length in miles of the project divided into rural and urban areas.
- (6) Give the Location as shown on the INDOT SPMS project listing.  
Bridge Location is a single RP. Example: RP: 29+14  
Roadway Location is a range. Example: RP: from 29+10 to 31+15
- (7) Briefly explain the context, purpose, and need for the project. Give a description of the overall intent of the project as it relates to pavement. What issue is the project addressing? Are there any unique or unusual circumstances that should factor into this design?
- (8) The proposed width should be given for travel lanes and shoulders or the type of curb. Are there intersection approaches being improved as part of the project? Are there driveway approaches within the project area?
- (9) Specify whether underdrains are recommended for the project. If drainage is addressed by ditches, give the condition. Does the project address unsatisfactory drainage conditions?
- (10) Descriptive listing of the history of the pavement, including year of original construction and subsequent overlays. If the project is a resurfacing or rehabilitation-type project, then core depth reports, core pictures, FWD report, and color pictures of existing pavement are to be submitted. The type of the existing pavement, e.g., aggregate, asphalt, PCCP, or composite pavement, should be identified, with the width of each type

provided. One way to convey this information is to submit a typical section of an estimated existing cross section of pavement.

Describe the current overall condition of the pavement with a discussion of the type, severity, extent, and cause of the pavement distress conditions and how this proposed project is going to correct these distresses.

- (11) Provide information about the existing pavement and surrounding conditions. This information is needed for decisions regarding the binder type or how widened sections of pavement match up with existing pavement.
- (12) Provide information from the Geotechnical Report to be used in the AASHTOWare Pavement ME Design software in this section.
- (13) Provide traffic information to be used for the pavement analysis in this section. Enter the traffic growth rate in terms of linear growth.
- (14) Provide area of pavement, in square yards, for the completely reconstructed areas of:
  1. mainline pavement
  2. widening
  3. shoulder pavement

Also provide overlay area, in square yards.

- (15) Values for Pavement Design Life in years are given in Figure 304-14A for different types of pavement treatments. Indicate the design life the project is trying to satisfy and give a brief explanation of why this number was chosen. The designer should indicate the desired pavement type and the reason for choosing a particular pavement type.
- (16) Provide the name and contact information for the individual who submitted the Pavement Design Request.
- (17) The final page of the letter lists the two items that must be attached to each Pavement Design Request, along with a checklist to be completed showing the other items that are being submitted with the request. Give dates of when the submitted items were requested and when they were received. If additional data or test information not mentioned on the sheet is being submitted, identify it under the “Additional Items Not Listed” section.