



9-A-1

Pavement Design Checklist

Pavement Design Checklist

I. Project Identification

City/Town _____	Project Number _____
Street/Rte. No. _____	Functional Class _____
From Station _____	To Station _____
From (Landmark) _____	To (Landmark) _____
Date _____	Design Engineer _____

II. Traffic Data

Current ADT (year) _____	Future ADT (Year)* _____
T (ADT) _____	T (PEAK HR.) _____
No. of Lanes _____	Divided/Undivided _____

III. Existing Pavement Information

Year Initially Constructed _____	Overlaid _____
Source Information _____	

Existing Pavement Structure:

Layer	Depth	Type
Surface Course:	_____	_____
Intermediate Course:	_____	_____
Base Course:	_____	_____
Sub-base:	_____	_____
Sub-grade:	_____	_____

III a. Document Existing Pavement Conditions and Distress

Type	Extent (percentages)	Severity			Depth Inches
<input type="checkbox"/> Alligator Cracking		High	Medium	Low	
<input type="checkbox"/> Block Cracking					
<input type="checkbox"/> Other Cracking (transverse, longitudinal, reflective)					
<input type="checkbox"/> Lane/Shoulder Dropoff					
<input type="checkbox"/> Potholes					
<input type="checkbox"/> Rutting (wheelpaths)					
<input type="checkbox"/> Alligator Cracking					
<input type="checkbox"/> Other _____					
<input type="checkbox"/> Other _____					

Notes: 1. If existing pavement is PCC, provide a separate description of pavement
 2. Provide photographs as needed to demonstrate pavement distress

* Minimum 20 yr. protection

IV. Field Inspection Report

a. Proposed Corrective Work to Existing Pavement

- | | |
|--|--|
| <input type="checkbox"/> Milling / Cold Planing | <input type="checkbox"/> Subdrainage Pipes |
| <input type="checkbox"/> Leveling Course* | <input type="checkbox"/> Full Depth Patching/Pothole Repairs |
| <input type="checkbox"/> Reclamation | <input type="checkbox"/> Crack Filling* |
| <input type="checkbox"/> Reconstruction or Full Depth Construction | <input type="checkbox"/> Preventive Maintenance |
| <input type="checkbox"/> Heater/Scarifier | <input type="checkbox"/> Other _____ |

Discussion on above corrective work or other special site conditions:

b. Proposed Scope of Work

- | | |
|--|---|
| <input type="checkbox"/> New Pavement | <input type="checkbox"/> Pavement Overlay |
| <input type="checkbox"/> Reconstructed Pavement or Full Depth Construction | <input type="checkbox"/> Preventive Maintenance |
| <input type="checkbox"/> Reclaimed Pavement or Recycling | <input type="checkbox"/> Geometric Improvements |
| <input type="checkbox"/> Surface (in place) | <input type="checkbox"/> With corrective work to existing pavement |
| <input type="checkbox"/> Cold-Mix | <input type="checkbox"/> Without corrective work to existing pavement |
| <input type="checkbox"/> Hot-Mix | <input type="checkbox"/> Other |

Discussion on above proposed scope of work or other special site conditions :

Briefly discuss reasons for proposed work, including estimated costs and any special site conditions which may limit the practical choices.

Discussion:

* Only done under certain circumstance and with the approval of PDE