

## **SECTION 700 DRAINAGE**

### **701 GENERAL**

Drainage is an important element of roadway design. The objective of roadway drainage design is to provide the necessary facilities which allow the public the appropriate use of the roadway during times of significant runoff and which minimize the potential for adverse effects on adjacent property and existing drainage patterns. Toward this goal, roadway drainage design is to minimize off-project impacts while maintaining use of the roadway at an acceptable frequency of protection.

There has been so much data and so many guidelines written on the hydrologic and hydraulic aspects in roadway design that it is impractical to contain all the references within this manual. A separate manual, “ROADWAY DESIGN MANUAL – Drainage,” has been prepared to provide guidance and direction on the design of the drainage components of roadway facilities. Strict use of that manual does not replace sound engineering judgment. The drainage design must be undertaken by experienced drainage engineers who are in responsible charge.