

The AASHTO Model Drainage Manual also contains guidance and references on: x Design methods for evaluating the accuracy of hydraulic studies, including elements of a data collection plan; x Guidance on estimating flood flow peaks and volumes, including requirements for the design of Interstate highways as per 23 CFR 650, Subpart A, "Encroachments;" x Procedures or references for analysis of tidal waterways, regulated streams, and urban watersheds; x Evaluation of stream stability; x Use of recommended design procedures and software for sizing bridge waterways; x Location and design of bridges to resist damage from scour and hydraulic loads created by stream current, ice, and debris; x Calculation of magnitude of contraction scour, local scour, and countermeasures thereto; x Design of relief bridges, road overtopping, guide banks, and other river training works; and x Procedures for hydraulic design of bridge-size culverts