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Understand how different drainage facilities can be integrated to provide complete drainage control. Drainage design covers many disciplines, of which two are hydrology and hydraulics. The determination of the quantity and

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roadway is a hydraulic problem. This publication will briefly discuss hydrologic techniques with an emphasis on methods suitable to small drainage areas, since many components of highway drainage (e.g., storm drains, roadside ditches,

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etc.) service
primarily small
drainage areas.

Fundamental
hydraulic concepts
are also briefly
discussed, followed
by open-channel
flow principles and
design applications
of open-channel
flow in highway
drainage. Then, a
parallel discussion

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