Symbol	Definition	Unit
A	Area of cross section	m^2
A	Watershed area	ha
a	Depth of depression	mm
C	Runoff coefficient or coefficient	-
d	Depth of gutter flow at curb line	m
D	Diameter of pipe	m
E_O	Ratio of frontal flow to total gutter flow Q_w/Q	-
h	Height of curb-opening inlet	m
H	Head loss	m
I	Rainfall intensity	mm/h
K	Coefficient	-
L	Length of curb-opening inlet	m
L	Pipe length	m
L	Pavement width	m
L	Length of runoff travel	m
n	Roughness coefficient in Manning's formula	-
P	Perimeter of grate opening, neglecting bars and side against curb	m
P	Tire pressure	N/m^2
Q	Rate of discharge in gutter	m^3/s
Q_i	Intercepted flow	m^3/s
Q_S	Gutter capacity above depressed section	m^3/s
Q_T	Total flow	m^3/s
Q_W	Gutter capacity in depressed section	m^3/s
R_h	Hydraulic radius	m
S or S_X	Pavement cross slope	m/m
S	Crown slope of pavement	m/m
S or S_L	Longitudinal slope of pavement	m/m
S_W	Depressed-section slope	m/m
T	Top width of water surface, or spread on pavement	m
t_C	Time of concentration	min
T_D	Tire-tread depth	mm
T_S	Spread above depressed section	m
TXD	Pavement-texture depth	mm
V	Vehicle speed	km/h
V	Velocity of flow	m/s
W	Width of depression for curb-opening inlet	m
W_d	Rotational velocity on dry surface	rpm
WD	Water depth	mm
W_W	Rotational velocity on flooded surface	rpm
y	Depth of flow in approach gutter	m
Z	T/d, reciprocal of the cross slope	-

SYMBOLS AND DEFINITIONS

Figure 36-3A