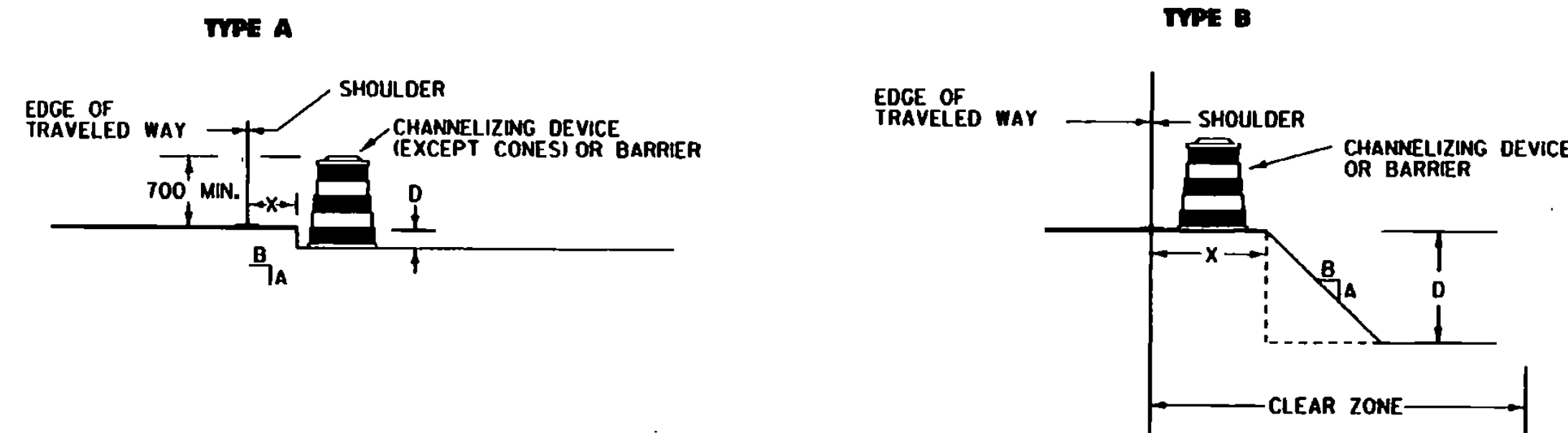
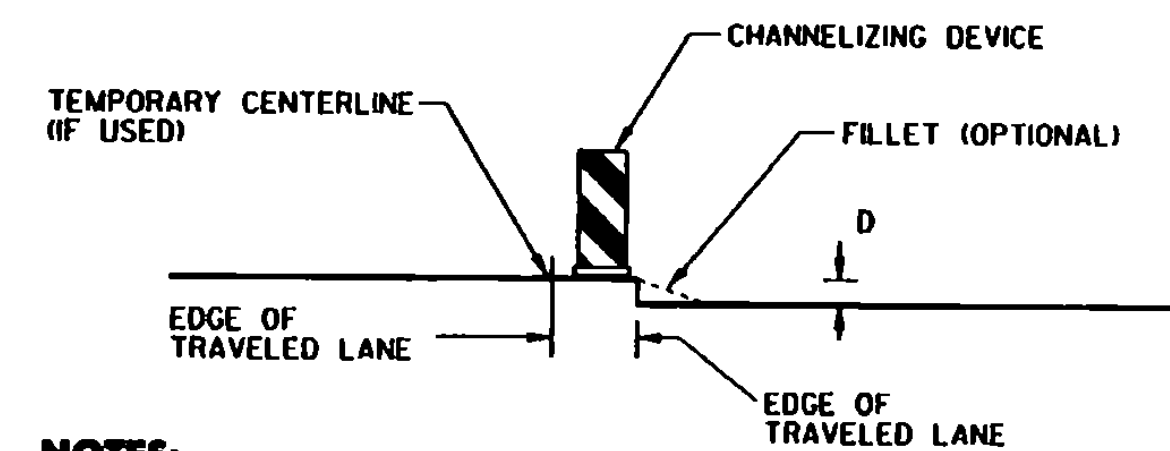


**CONDITION 1  
DROP-OFF ADJACENT TO TRAVELED WAY**



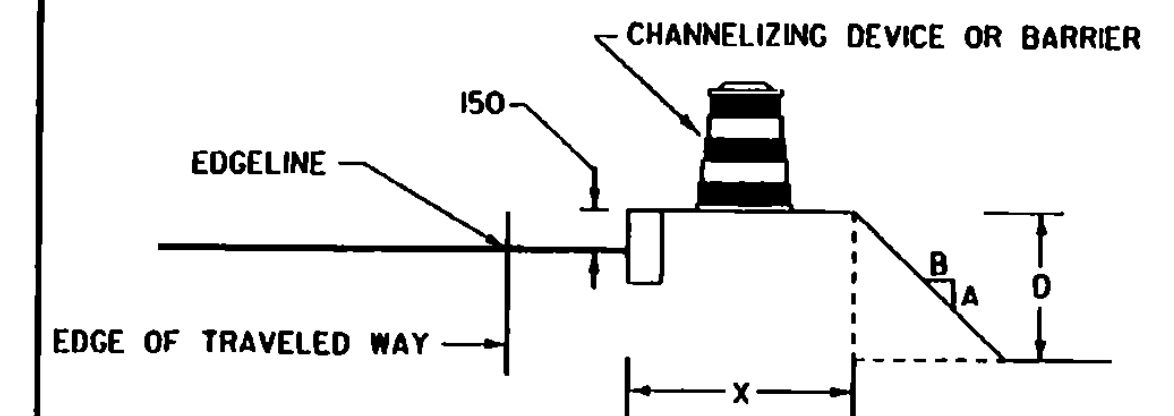
- NOTES:**
1. CHANNELIZING DEVICES OR BARRIER SHOULD BE PLACED TO MAXIMIZE THE WIDTH OF THE TRAVELED WAY.
  2. FOR SPECIFIC REQUIREMENTS USE CHART "A".
  3. IF THE DROP-OFF REQUIRES CHANNELIZING DEVICES TO REMAIN INPLACE OVERNIGHT, THEN "LOW SHOULDER" OR "SHOULDER DROP OFF" SIGNS SHOULD BE INSTALLED.

**CONDITION 2  
DROP-OFF BETWEEN ADJACENT TRAVELED LANES**



- NOTES:**
1. WHEREVER A LONGITUDINAL DROP-OFF BETWEEN ADJACENT TRAVELED LANES IS TO BE LEFT OVERNIGHT THEN "UNEVEN LANES" SIGNS AND CHANNELIZING DEVICES SHOULD BE INSTALLED.
  2. IF REQUIRED, THE CHANNELIZING DEVICES USED SHOULD BE THOSE WHICH MAXIMIZE THE TRAVELED LANE (I.E. CONES, VERTICAL PANELS OR TUBULAR MARKERS).
  3. A BITUMINOUS CONCRETE FILLET WITH A 1:3 SLOPE MAY BE USED IN LIEU OF CHANNELIZING DEVICES, HOWEVER THE "UNEVEN LANES" SIGNS SHOULD BE INSTALLED REGARDLESS.

**CONDITION 3  
DROP-OFF BEYOND SHOULDER OR CURB**



- NOTES:**
1. CHANNELIZING DEVICES OR BARRIER SHOULD BE PLACED TO MAXIMIZE THE WIDTH OF THE TRAVELED WAY.
  2. FOR SPECIFIC REQUIREMENTS USE CHART "A" OR "B" AS APPLICABLE.

**CHART A  
ALL SPEEDS  
NO CURB**

X (mm)	DROP (D) (mm)	A:B SLOPE	DEVICE REQUIRED
0 TO 1200	LESS THAN 50	ANY	NONE
	50 TO 125	1/3 OR FLATTER	NONE
		STEEPER THAN 1/3	CHANNELIZING DEVICE
1200 TO 3000	GREATER THAN 125	1/3 OR FLATTER	NONE
		STEEPER THAN 1/3	BARRIER
	LESS THAN 125	ANY	NONE
1200 TO 3000	125 TO 300	1/3 OR FLATTER	NONE
		STEEPER THAN 1/3	BARRIER
	GREATER THAN 300	1/3 OR FLATTER	NONE
		STEEPER THAN 1/3	BARRIER
3000 TO CZ	LESS THAN OR EQUAL TO 300	ANY	NONE
	GREATER THAN 300	1/3 OR FLATTER	NONE
		STEEPER THAN 1/3	BARRIER

1. CLEAR ZONE (CZ) IS TO BE DETERMINED PER THE CURRENT AASHTO ROADSIDE DESIGN GUIDE.
2. CHANNELIZING DEVICES MAY BE USED INSTEAD OF BARRIER FOR SHORT TERM (ONE-DAY) OPERATIONS.
3. ON BORDERLINE CONDITIONS, THE ENGINEER SHALL DETERMINE WHICH TREATMENT IS ADEQUATE FOR THE EXISTING CONDITIONS.

**GENERAL NOTES**

1. THESE CONDITIONS AND TREATMENTS ARE ONLY PART OF THE TRAFFIC CONTROL SYSTEM AND SHALL BE USED IN ADDITION TO THE PROPER WORK ZONE SIGGING.
2. THE FOLLOWING ARE ACCEPTABLE CHANNELIZING DEVICES: (SEE STANDARD SHEETS E-106M, E-107M AND E-107AM FOR FURTHER DETAILS)
  - A. VERTICAL PANEL
  - B. TYPE I OR TYPE II BARRICADE
  - C. PLASTIC DRUM
  - \* D. CONE - WHERE APPLICABLE

\* CONES SHALL NOT BE USED WHERE THE CHANNELIZING DEVICE IS REQUIRED TO BE PLACED BELOW THE GRADE OF THE TRAVELED WAY (SEE CONDITION 1, TYPE A).
3. WHERE BARRIER IS CALLED FOR, EITHER CONCRETE BARRIER (JERSEY SHAPE), STEEL BEAM GUARDRAIL OR OTHER FHWA APPROVED BARRIER MAY BE USED.
  - BARRIER ENDS FACING ONCOMING TRAFFIC SHALL BE TAPERED BEYOND THE CLEAR ZONE OR PROTECTED WITH AN APPROVED END TREATMENT DESIGNED FOR THE 85TH PERCENTILE SPEED OR THE POSTED SPEED LIMIT OF THE ROADWAY.
4. THE LOCATION OF CHANNELIZING DEVICES SHALL BE BASED ON THE CRITERIA SHOWN ON SHEET E-106M.
5. "LOW SHOULDER" OR "UNEVEN LANES" SIGNS, WHERE USED, SHALL BEGIN PRIOR TO THE DROP-OFF CONDITION AND SHOULD BE REPEATED EVERY 450 m.

**CHART B  
POSTED SPEED OF  
40 MPH OR LESS  
WITH CURB**

X (mm)	DROP (D) (mm)	DEVICE REQUIRED
0 - 3000	LESS THAN OR EQUAL TO 300	NONE
0 - 3000	GREATER THAN 300	CHANNELIZING DEVICE
GREATER THAN 3000	ANY	NONE

- NOTES:**
1. USE THIS CHART ONLY FOR CONDITION 3.
  2. USE THIS CHART FOR VERTICAL CURBS OF 150 mm OR GREATER, FOR LOWER OR MOUNTABLE CURBS USE CHART A.
  3. FOR CURBED SECTIONS WITH POSTED SPEEDS ABOVE 40 MPH, USE CHART A.

OTHER STDS. E-101M E-107M  
REQUIRED: E-106M E-107AM

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

REVISIONS AND CORRECTIONS  
JUNE 13, 1997 - ORIGINAL APPROVAL DATE

APPROVED

*[Signature]*  
DIRECTOR OF ENGINEERING

*[Signature]*  
DIRECTOR OF CONSTRUCTION AND MAINTENANCE

**CONSTRUCTION ZONE  
LONGITUDINAL DROP OFFS**



**Metric  
STANDARD  
E-108 M**