## NUMBER OF CHANNELIZING DEVICES NEEDED

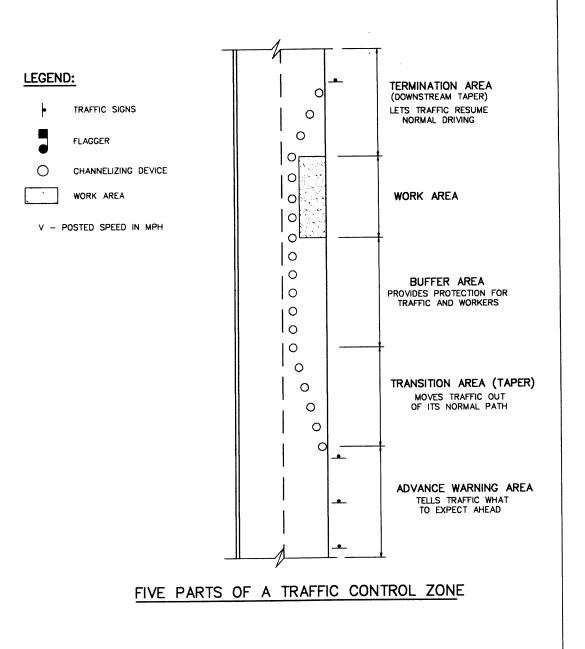
	V < 35 MPH		35 MPH $< V \le 45$ MPH		45 MPH $< V \le 55$ MPH	
LENGTH (FT.)	TAPER	BUFFER/ WORK	TAPER	BUFFER/ WORK	TAPER	BUFFER/ WORK
100	5	2-3	5	2-3	5	2-3
150	6	3-5	6	2-4	6	2-3
200	7	3-6	6	3-5	6	2-4
250	9	4-8	7	3-6	6	3-5
300	10	5-9	8	4-7	6	3-6
350	11	5-10	9	4-8	8	4-7
400	13	6-12	10	5-9	9	4-8
450	14	7-13	11	5-10	10	5-9
500	16	8-15	13	6-12	11	5-10
550	17	8-16	14	7–13	11	5-10
600	19	9-18	15	7-14	12	6-11
650	20	10-19	16	8-15	13	6-12

## TAPER LENGTH CRITERIA FOR WORK ZONES

TYPE OF TAPER	TAPER LENGTH			
MERGING TAPER	L MINIMUM			
SHIFTING TAPER	1/2 L MINIMUM			
SHOULDER TAPER	1/3 L MINIMUM			
TWO-WAY TRAFFIC TAPER	100 FT. MAXIMUM			
DOWNSTREAM TAPERS (USE IS OPTIONAL)	100 FT. PER LANE			
FORMULAS FOR L (FT.)				
40 MPH OR LESS	$L = \frac{WS^2}{60}$			
45 MPH OR GREATER	L=WxS			

## LEGEND:

- L TAPER LENGTH IN FEET
- W WIDTH OF OFFSET IN FEET
- S POSTED SPEED OR OFF-PEAK 85 PERCENTILE SPEED IN MPH.



EFFECTIVE DATE: APRIL 1996

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY AND TRANSPORTATION AUTHORITY

MAINTENANCE AND
PROTECTION OF TRAFFIC

WORK ZONE
DESIGN CRITERIA

DESIGN MEA DIRECTOR
DATE

EXECUTIVE PIRECTOR
DATE

DIV. MON. FHIVE PRECTOR
DATE

STD. MPT
DWG. 10 OF 22