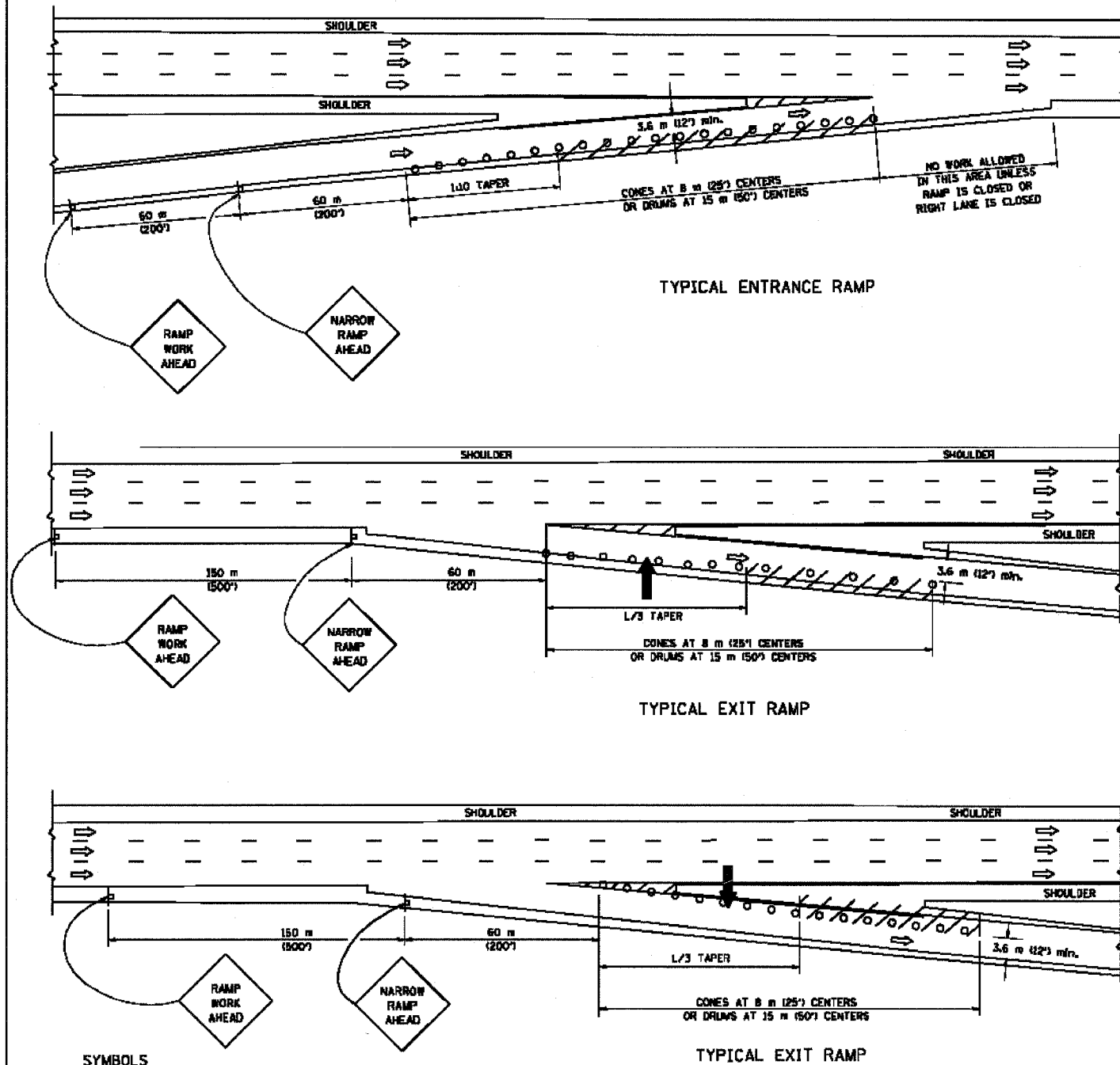


### PARTIAL RAMP CLOSURE DETAILS



**SYMBOLS**

- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- CONES - 700 (28) IN HEIGHT

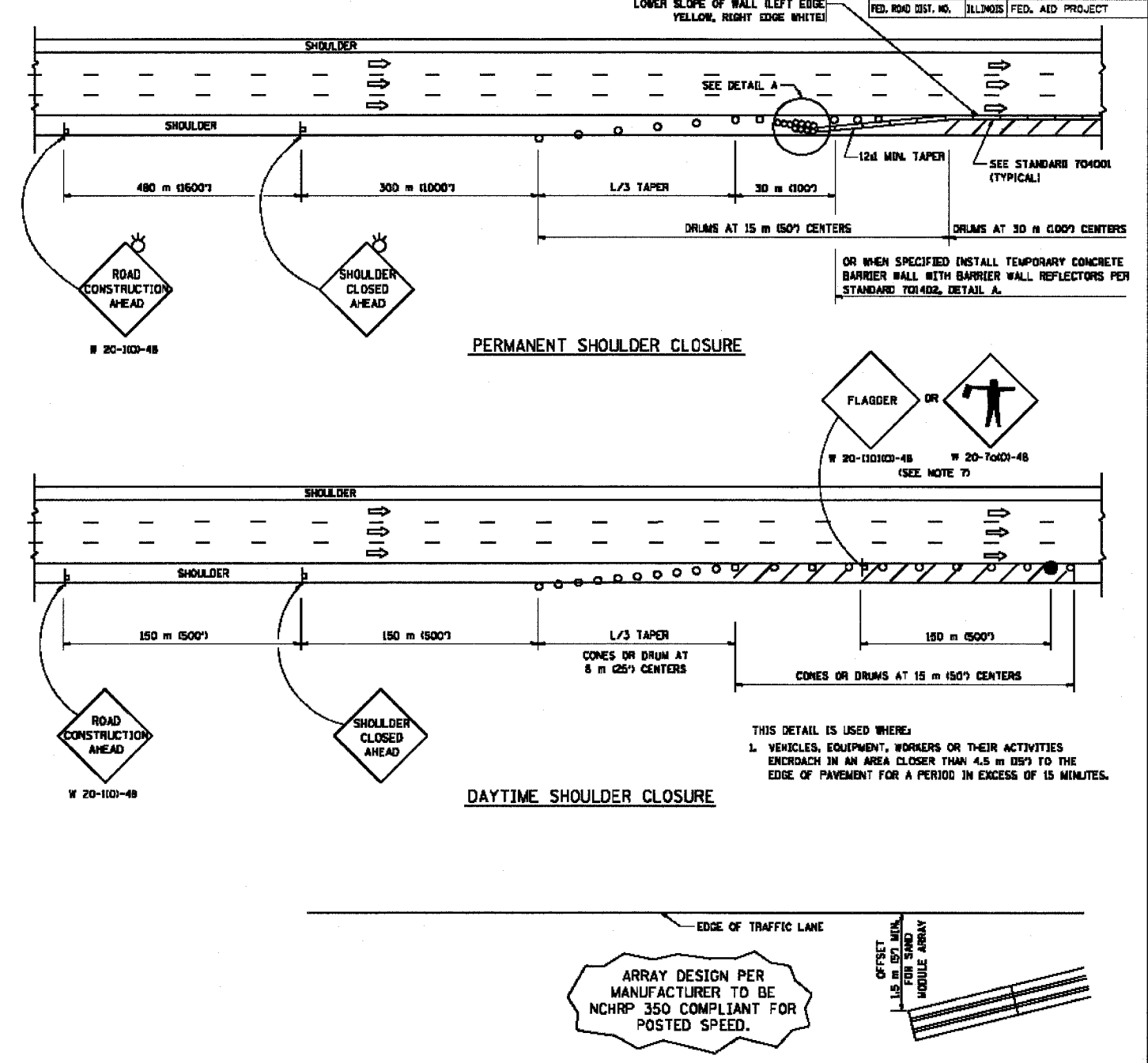
**GENERAL NOTES**

1. THE "L" DISTANCE EQUALS:
 

SPEED LIMIT	METRIC	ENGLISH
80 km/h (45 mph) OR GREATER	$L = 0.65W(S/100)^2$	$L = (W/1.47)S^2$

 W = WIDTH OF OFFSET IN METERS (FEET)  
 S = NORMAL POSTED SPEED KM/H (MPH)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

### SHOULDER CLOSURE DETAILS



ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.

DETAIL "A"  
IMPACT ATTENUATOR, TEMPORARY  
(SEE NOTE 5)

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.  
ILLINOIS DEPARTMENT OF TRANSPORTATION

REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03

**TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES**

SCALE: NONE  
DATE: 05/06/2003  
DRAWN BY: DWS  
DESIGNED BY: DWS  
CHECKED BY: TC-17

62838	F.A. RITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	90/94	2004-097DTR	COOK	21	20
	STA.	TO STA.			
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		