PARTIAL RAMP CLOSURE DETAILS

SHOULDER

SHOULDER

12' (3.6) min.

1:10 TAPER

CONES AT 25' (8 m) CENTERS
OR DRUMS AT 50' (15 m) CENTERS

NO WORK ALLOWED
IN THIS AREA UNLESS
RAMP IS CLOSED OR
RIGHT LANE IS CLOSED

200'
(60 m)

200'
(60 m)

TYPICAL ENTRANCE RAMP

RAMP
WORK
AHEAD

NARROW
RAMP
AHEAD

SHOULDER

SHOULDER

SHOULDER

SHOULDER

12' (3.6) min.

500'
(150 m)

200'
(60 m)

L/3 TAPER

CONES AT 25' (8 m) CENTERS
OR DRUMS AT 50' (15 m) CENTERS

TYPICAL EXIT RAMP

RAMP
WORK
AHEAD

NARROW
RAMP
AHEAD

SHOULDER

SHOULDER

SHOULDER

12' (3.6) min.

500'
(150 m)

200'
(60 m)

L/3 TAPER

CONES AT 25' (8 m) CENTERS
OR DRUMS AT 50' (15 m) CENTERS

TYPICAL EXIT RAMP

RAMP
WORK
AHEAD

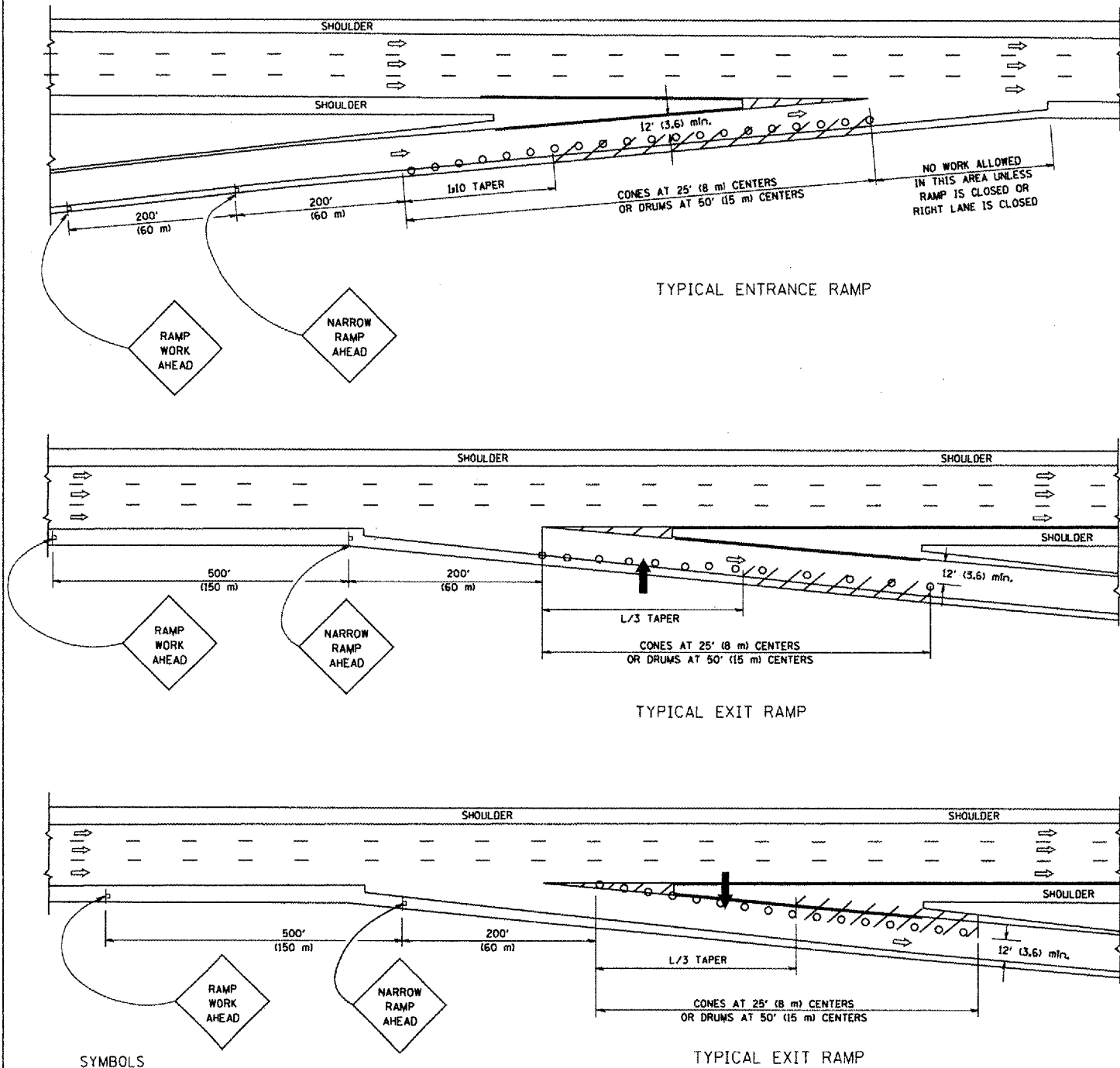NARROW
RAMP
AHEAD

SYMBOLS

➤ ARROWBOARD

▨ WORK AREA

⊢ SIGN ON PORTABLE OR PERMANENT SUPPORT

● FLAGGER WITH CONTROL SIGN

⊢⊣ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY
BURN MONO-DIRECTIONAL LIGHT
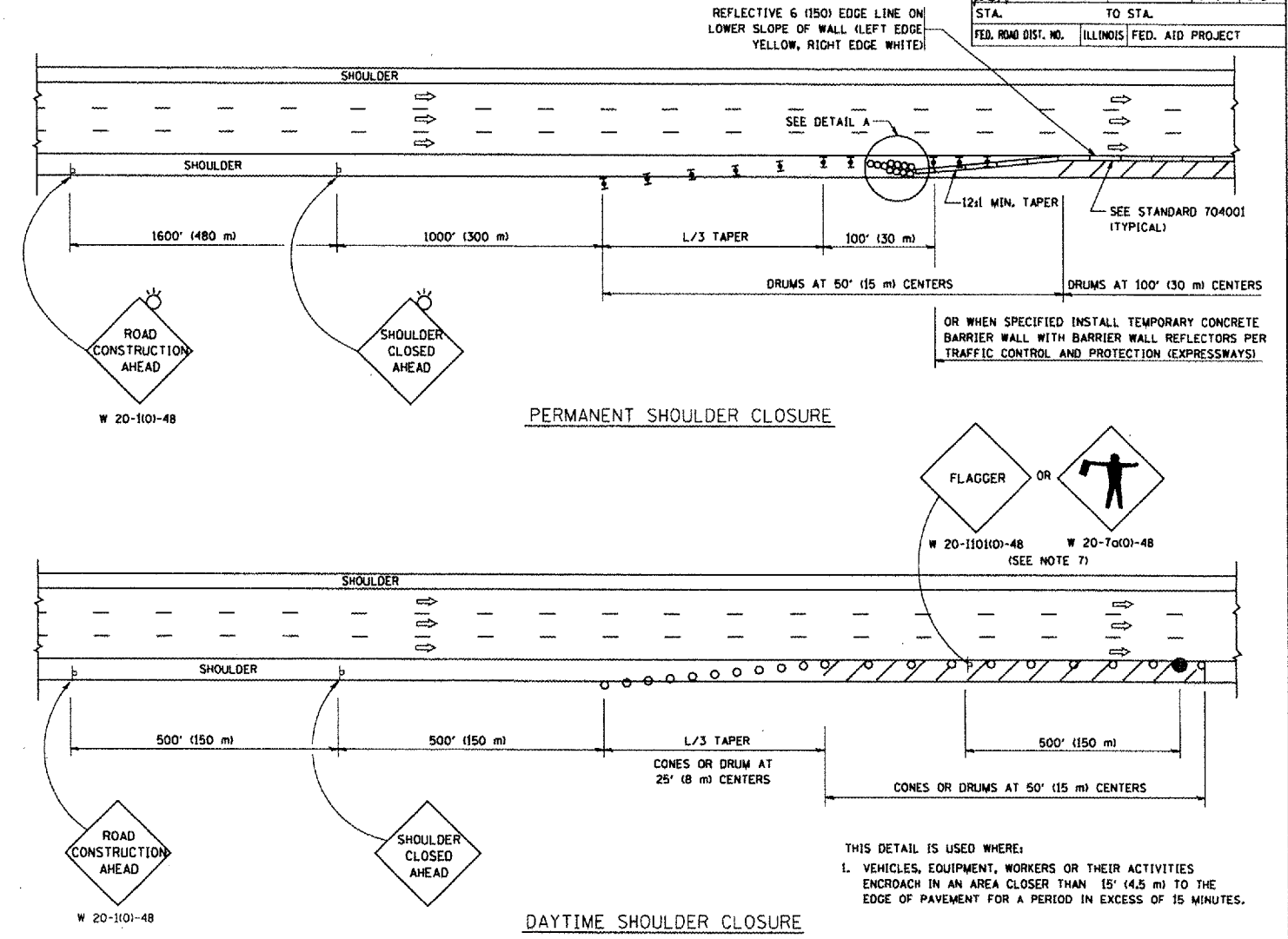
○ CONE, DRUM OR BARRICADE

GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT   FORMULAS

45 mph (80 km/h)   METRIC   ENGLISH
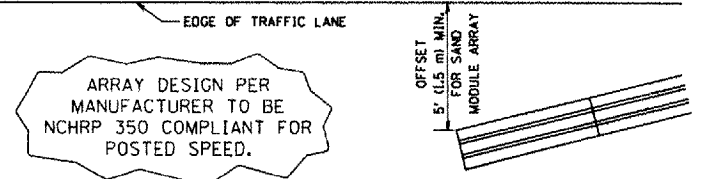OR GREATER: L=0.65(W)(S)   L=(W)(S)

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)

2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING
AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTIME
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.

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED
WHEN THE TEMPORARY CONCRETE BARRIER WALL IS
PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL.
IF OFFSET IS LESS THAN 5 FEET USE "TRAFFIC BARRIER
TERMINAL, TYPE III, TEMPORARY" DEVICE TO MEET NCHRP350
FOR POSTED SPEED.

6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS
REQUIRED FOR ALL FREEWAY CLOSURES.

7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE
WORK SITES WHEN:
   a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES
   IN A ONE HOUR PERIOD.
   b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT
   INTO THE LANE OPEN TO TRAFFIC.
   THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m)
   TO 200' (60 m) IN ADVANCE OF THE WORKERS.

SHOULDER CLOSURE DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-270, I-329	2007-0061	COOK	23	23

STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

REFLECTIVE 6 (150) EDGE LINE ON
LOWER SLOPE OF WALL (LEFT EDGE
YELLOW, RIGHT EDGE WHITE)

SHOULDER

SEE DETAIL A

12:1 MIN. TAPER

SEE STANDARD 704001
(TYPICAL)

SHOULDER

1600' (480 m)

1000' (300 m)

L/3 TAPER

100' (30 m)

DRUMS AT 50' (15 m) CENTERS

DRUMS AT 100' (30 m) CENTERS

ROAD
CONSTRUCTION
AHEAD

W 20-1(O)-48

SHOULDER
CLOSED
AHEAD

OR WHEN SPECIFIED INSTALL TEMPORARY CONCRETE
BARRIER WALL WITH BARRIER WALL REFLECTORS PER
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)

PERMANENT SHOULDER CLOSURE

FLAGGER   OR

W 20-1101(O)-48   W 20-7a(O)-48
(SEE NOTE 7)

SHOULDER

SHOULDER

500' (150 m)

500' (150 m)

L/3 TAPER

CONES OR DRUM AT
25' (8 m) CENTERS

500' (150 m)

CONES OR DRUMS AT 50' (15 m) CENTERS

ROAD
CONSTRUCTION
AHEAD

W 20-1(O)-48

SHOULDER
CLOSED
AHEAD

THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES
ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE
EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

DAYTIME SHOULDER CLOSURE

EDGE OF TRAFFIC LANE

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

OFFSET
5' (1.5 m) MIN.
FOR SAND
MODULE ARRAY

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
DWS	11/96	
JAF	12/02	
NCHRP 350	04/03	
JAF	2/06	
SPB	1/07	

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS
FOR FREEWAY
SHOULDER CLOSURES
PARTIAL RAMP CLOSURES

DESIGNED BY: DWS

SCALE: NONE

DRAWN BY

CHECKED BY

TC-17