June 2, 2014

CIRCULAR LETTER 2014-06

SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS

COUNTY ENGINEERS/SUPERINTENDENT OF HIGHWAYS
MUNICIPAL ENGINEERS/DIRECTORS OF PUBLIC WORKS/MAYORS
CONSULTING ENGINEERS

Signing and pavement marking guidance has been developed in consultation with the Illinois Commerce Commission and the U.S. Department of Transportation’s Grade Crossing Safety Task Force. This Circular Letter provides information on updates to the pavement marking and signing details from this guidance in order to incorporate changes adopted in the 2009 National Manual on Uniform Traffic Control Devices (MUTCD). These new details have been studied and tested by the Department and accepted by the Illinois Commerce Commission.

This guidance applies to projects which include railroad interconnected traffic signals, with or without pre-signals. This guidance also applies to non-signalized intersections that are within 81 feet of a railroad grade crossing. The Illinois Supplement to the MUTCD should be consulted for additional information on sign requirements at non-signalized intersections near railroad grade crossings.

These details will be included in a future update to the Bureau of Operations Traffic Policies and Procedures Manual.

Please contact the BLRS Local Policy unit at DOT.LocalPolicy@illinois.gov with any questions.

Sincerely,

James K. Klein, P.E., S.E.
Acting Engineer of Local Roads and Streets

PW/tw
TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

WITH SIGNALIZED INTERSECTION

8" WHITE
6" WHITE
45" TO PAVEMENT
8 C-C

24" RR STOP LINE
(Placed perpendicular to center line)

NOT TO SCALE

DO NOT STOP ON TRACKS

R8-6
24" x 30"

Approximately 15' from nearest rail or 8' back from gate, if present

10' or just beyond exit gate if present

Note:
1. Pavement markings to be installed only on approaches to intersections controlled by traffic signals which are interconnected with the railroad warning signals.
2. Where near-side traffic signals are used the pavement markings extend to the intersection. (See Detail for Pre-Signals)

WITH NON-SIGNALIZED INTERSECTION

81' or less to closest rail

LESS THAN 81 FEET

24" RR STOP LINE

CAUTION
XX FT. BETWEEN TRACKS AND HIGHWAY

DO NOT STOP ON TRACKS

R8-6
24" x 30"

W10-1100
30" x 36"

Note:
1. Distance to be shown on sign measured from a point 8 feet from the rail closest to the intersection or from the closest point along the exit gate if present over the roadway when in the lowered position to the stop bar or crosswalk, which ever is closest, rounded down to nearest 5 foot. Where there is no stop line, measure to point where driver has a view of approaching traffic.
2. The clearance sign is also to be used as an interim measure at locations with interconnected Intersection traffic signals where it is planned to change them to near-side signals at a future time. In this case, the distance to be shown on the sign is measured from the edge of the striped-out area instead of 6 feet from the rail. The sign is to be removed when the near-side signals are installed and the pavement markings extended to the intersection.