



R52-6a SHALL BE PLACED NOT MORE THAN 500' BEFORE THE FIRST SPEED LIMIT SIGN ARRAY.

A STEP-DOWN SPEED LIMIT IS REQUIRED WHEN THERE IS MORE THAN A 15 MPH DIFFERENCE BETWEEN THE NORMAL SPEED LIMIT AND THE CONSTRUCTION ZONE SPEED LIMIT.

TO BE PROVIDED EVERY 2640' OR AS DIRECTED BY THE ENGINEER BETWEEN R52-6a AND R52-6b SIGNS

**CASE NO. 29**  
**TYPICAL APPLICATION (LATE MERGING)**  
**ONE LANE CLOSED, 4-LANE DIVIDED HIGHWAY**

**LEGEND**

- CHANNELIZING DEVICE: FOR TYPE OF DEVICE TO BE USED, SEE THE SCHEDULE OF CONSTRUCTION TRAFFIC CONTROL DEVICES INCLUDED IN THE PLANS. IF PROJECT IS DESIGNATED AS A "SIGNIFICANT PROJECT" (SEE GENERAL NOTE 25), CONCRETE BARRIER SHALL BE USED FOR CHANNELIZATION DEVICES (TEMP) AS DETERMINED BY THE ENGINEER.
- TYPE III BARRICADE
- DIRECTION OF TRAVEL
- ▨ WORK AREA
- ▤ ADVANCE WARNING FLASHING OR SEQUENCING ARROW PANEL.
- ▲ THESE DEVICES ARE OPTIONAL. THEIR NEED SHALL BE DETERMINED BY DETOUR DESIGN AND/OR SCOPE OF CONSTRUCTION ACTIVITY, AND ARE REQUIRED WHEN THEY ARE INCLUDED IN THE SCHEDULE OF CONSTRUCTION CONTROL DEVICES.
- ◆ THESE DEVICES ARE NOT OPTIONAL IF THE POSTED SPEED LIMIT IN THE WORK ZONE IS REDUCED.
- G20-11 SIGN IS REQUIRED WHEN SECTION 626 "PUBLIC INFORMATION SERVICES" PROJECT SPECIAL PROVISION WORKSHEET SPECIFICATION IS REQUIRED WITH PROJECT.
- ☀ FLASHING BEACON
- REQUIRED WHEN WORK OCCUPIES THE LOCATION FOR MORE THAN 3 DAYS.
- ▭ TRUCK MOUNTED ATTENUATOR (TMA)
- L TRANSITION TAPER LENGTH:
  - L = MINIMUM LENGTH OF TAPER
  - SPEED 45 MPH OR MORE:  $L = S \times W$
  - SPEED 40 MPH OR LESS:  $L = \frac{WS^2}{60}$
  - S = NUMERICAL VALUE OF SPEED LIMIT OR 85 PERCENTILE SPEED
  - W = WIDTH OF OFFSET
  - SHOULDER TAPER = 1/3 L

BUFFER SPACE (SEE GENERAL NOTE 21 OF S-630-1).

Computer File Information	
Creation Date: 06/24/09	Initials: KEN
Last Modification Date: 12/07/09	Initials: KEN
Full Path: www.dot.state.co.us/DesignSupport/	
Drawing File Name: Sheet_S-630-01_15of19.dgn	
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	

Sheet Revisions	
Date:	Comments
12/07/09	ADDED W4-50 & CHANGED PLACEMENT OF TRUCK MOUNTED ATTENUATOR SIGNS. ADDED SYMBOL AT R2-1(XX) SIGN AFTER R52-6a SIGN ADDED G20-11 SIGN AND SYMBOL NOTE.

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**Safety & Traffic Engineering Branch**      **KCM/KEN**

**TRAFFIC CONTROLS**  
**FOR HIGHWAY**  
**CONSTRUCTION**

Issued By: Safety & Traffic Engineering Branch June 24, 2009

**STANDARD PLAN NO.**  
**S-630-1**  
**Sheet No. 15 of 19**