SPEED LIMIT (MPH)

P E D E S T R I A N  D E T O U R  M E T H O D S

Construction Drawing (SCD) MT-101.70.

2A. All signs and barricades shall be placed so that they do not cause a hazard for pedestrians. All signs, no matter what form the barricading devices near or over active sidewalks shall have a minimum 10" clearance above the sidewalk.

2B. Construction signs shall be placed on Type I barricades, placed such that they will not block more than one-half the sidewalk.

P AVEMENT  M A R K I N G

3. Maintain 2" minimum when practical, between the work zone edge line and the barrier or channelizing devices separating the pedestrian path from the vehicle path.

S TA G E D  W O R K

4. For repair or reconstruction work involving sidewalks on both sides of the street, the work shall be staged so that one side is rebuilt before the other side is reconstructed. Where repair or reconstruction work involves sidewalks on both sides of the street, the work shall be staged so that one side is reconnected before the other side is reconnected.

T I M E R Y W A L K W A Y S

5A. Pedestrian walkways constructed by the Contractor shall be kept free of any obstructions or hazards including holes, debris, and mud. Other walkways damaged or disturbed by the Contractor shall be immediately repaired or cleaned.

5B. For construction of temporary walkways, the maximum grade shall be 5 percent unless specified otherwise in the plans. The maximum cross slope shall be 2 percent.

L I G H T I N G  A N D  D E F I N I T I O N

6A. At night, in otherwise unlighted areas, pedestrian channelizing devices and barricades and pedestrian direction signs shall be provided with lighting as follows:
   a) Illumination shall provide a minimum of 12 foot-candles on temporary walkways.
   b) Illumination shall be controlled by photocells.
   c) Illumination fixtures may consist of floodlights or other protected fixtures mounted at least 10' above ground.
   d) Illumination supports may be standard highway lighting poles, 4' 4" wood posts or other supports approved by the Engineer.

6B. For barricades and channelizing devices located between the pedestrian ways and the vehicle travel lanes in unlighted areas, the devices shall be delineated or lighted at night as follows:
   a) Channelizing devices other than PB shall be provided with Type 6 steady burning lights on the side of the channelizer.

C H A N N E L A T I O N  R E Q U I R E M E N T S

7A. All channelization devices used to separate pedestrians from the work area or from the vehicular lane shall be as determined from the adjacent tables.

7B. Wood railing shall be a mix of a 2" x 4" roll at 12" above ground. It shall be secured to 2" x 4" posts at not more than 8" spacing with secure attachment hardware. It shall be installed and braced to be essentially rigid and able to support the following loads:
   a) Horizontal transverse load of 500 pounds at each post top.
   b) Vertical load of 250 pounds at midpoint between each post.

7C. Wood snow fence shall be nominally 48" high, securely supported by wood or metal posts at 6' maximum spacing. Plastic/nylon construction fence shall be bright orange. It shall be securely fastened to wood or metal posts at not more than 6' spacing. It shall be nominally 48" high. Plastic/nylon construction fence shall be bright orange. It shall be securely fastened to wood or metal posts at not more than 6' spacing. It shall be nominally 48" high.

7D. Chain link fence, Type CLT shall conform to CMS 607 and appropriate details on roadway standard construction drawings F-1.1, F-3.1 and F-3.2, except that materials need not be new nor shall certification and tests be required.

7E. Plywood walls shall be a minimum of 7" exterior thickness. Plastic/nylon construction fence shall be bright orange. It shall be securely fastened to wood or metal posts at 6' maximum spacing. It shall be nominally 48" high and the top edge shall not sag below 30" (12" max. over active sidewalks). All signs, equipment, and other barriers shall be designed for a minimum wind loading of 30 pounds per square foot (or larger if specified).

7F. When PB is provided, it shall be 32" PB as per CMS 622. Illumination of PB shall be as per SCD MT-011/0.

7G. Barrier located along a "runaround" within the roadway pavement shall meet the following requirements:
   a) Be a minimum of 36" in height and continuous with the ground surface.
   b) Extend along the entire length of the runaround.
   c) Have no breaks or gaps along the full length of the barrier.
   d) Have a solid, continuous bottom rail between 4" and 12" in height.
   e) Have a high contrast color and material.
   f) Have positive temporary anchorage and shall be constrained so to ensure a smooth and continuous surface that prevents sediments from reaching existing storm drains.

7H. Wood or metal snow fences shall have a minimum 7' vertical clearance above the walkway.

7I. Chain link fence, Type CLT shall conform to CMS 607 and appropriate details on roadway standard construction drawings F-1.1, F-3.1 and F-3.2, except that materials need not be new nor shall certification and tests be required.

7J. All channelization devices used to separate pedestrians from the work area or from the vehicular lane shall be as determined from the adjacent tables.

7K. Wood railing shall be a mix of a 2" x 4" roll at 12" above ground. It shall be secured to 2" x 4" posts at not more than 8" spacing with secure attachment hardware. It shall be installed and braced to be essentially rigid and able to support the following loads:
   a) Horizontal transverse load of 500 pounds at each post top.
   b) Vertical load of 250 pounds at midpoint between each post.

7L. Wood snow fence shall be nominally 48" high, securely supported by wood or metal posts at 6' maximum spacing. Plastic/nylon construction fence shall be bright orange. It shall be securely fastened to wood or metal posts at not more than 6' spacing. It shall be nominally 48" high.

7M. Chain link fence, Type CLT shall conform to CMS 607 and appropriate details on roadway standard construction drawings F-1.1, F-3.1 and F-3.2, except that materials need not be new nor shall certification and tests be required.

7N. Plywood walls shall be a minimum of 7" exterior thickness. Plastic/nylon construction fence shall be bright orange. It shall be securely fastened to wood or metal posts at 6' maximum spacing. It shall be nominally 48" high and the top edge shall not sag below 30" (12" max. over active sidewalks). All signs, equipment, and other barriers shall be designed for a minimum wind loading of 30 pounds per square foot (or larger if specified).

7O. When PB is provided, it shall be 32" PB as per CMS 622. Illumination of PB shall be as per SCD MT-011/0.

7P. Barrier located along a "runaround" within the roadway pavement shall meet the following requirements:
   a) Be a minimum of 36" in height and continuous with the ground surface.
   b) Extend along the entire length of the runaround.
   c) Have no breaks or gaps along the full length of the barrier.
   d) Have a solid, continuous bottom rail between 4" and 12" in height.
   e) Have a high contrast color and material.
   f) Have positive temporary anchorage and shall be constrained so to ensure a smooth and continuous surface that prevents sediments from reaching existing storm drains.

7Q. Wood or metal snow fences shall have a minimum 7' vertical clearance above the walkway.

7R. Chain link fence, Type CLT shall conform to CMS 607 and appropriate details on roadway standard construction drawings F-1.1, F-3.1 and F-3.2, except that materials need not be new nor shall certification and tests be required.

7S. Plywood walls shall be a minimum of 7" exterior thickness. Plastic/nylon construction fence shall be bright orange. It shall be securely fastened to wood or metal posts at 6' maximum spacing. It shall be nominally 48" high and the top edge shall not sag below 30" (12" max. over active sidewalks). All signs, equipment, and other barriers shall be designed for a minimum wind loading of 30 pounds per square foot (or larger if specified).

7T. When PB is provided, it shall be 32" PB as per CMS 622. Illumination of PB shall be as per SCD MT-011/0.

7U. Barrier located along a "runaround" within the roadway pavement shall meet the following requirements:
   a) Be a minimum of 36" in height and continuous with the ground surface.
   b) Extend along the entire length of the runaround.
   c) Have no breaks or gaps along the full length of the barrier.
   d) Have a solid, continuous bottom rail between 4" and 12" in height.
   e) Have a high contrast color and material.
   f) Have positive temporary anchorage and shall be constrained so to ensure a smooth and continuous surface that prevents sediments from reaching existing storm drains.