GENERAL NOTES

When closing or detouring crosswalks or sidewalks, provide detectable channelization that can be observed by pedestrians with low vision. Appropriate facilities are: 1) Sidewalk Barriers: Sidewalk barriers should be installed in accordance with ASCE Standard 46, making the barrier as noticeable as possible. These barriers should be installed in such a way that they will not obstruct the view of the crossing area. 2) Pavement Markings: Pavement markings should be placed on the road surface to indicate the location of the crosswalk. 3) Traffic Signs: Traffic signs should be placed at the beginning and end of the crosswalk to warn drivers of the presence of pedestrians. 4) Pedestrian Detours: Temporary pedestrian detours should be provided when the sidewalk is closed or obstructed. The detour should be clearly marked and well-lit. 5) Wheeled Mobility Devices: The area should be equipped to accommodate all types of mobility equipment, including wheelchairs, walkers, and strollers. 6) Wheelchair Access: The area should be designed to accommodate wheelchair users, with ramps and other accessibility features.

SPECIFIC NOTES

1. Temporary curb ramps with detectable warnings: Curb ramps are essential for providing safe access for pedestrians with mobility impairments. Ramps should be installed at the beginning and end of the crosswalk, and should be clearly marked to ensure visibility.
2. Temporary pavement markings: Pavement markings should be placed on the road surface to indicate the location of the crosswalk. These markings should be clearly visible and should be placed at a distance that ensures visibility to pedestrians.
3. Detectable warning strips: Detectable warning strips are an effective way of providing a warning to visually impaired pedestrians. These strips should be placed at the beginning and end of the crosswalk, and should be clearly marked to ensure visibility.
4. Temporary pedestrian detours: Temporary pedestrian detours should be provided when the sidewalk is closed or obstructed. The detour should be clearly marked and well-lit. The area should be designed to accommodate all types of mobility equipment, including wheelchairs, walkers, and strollers.

LEGEND

- Street
- Sidewalk
- Crosswalk
- Work Area
- Detour
- Traffic Control Signs
- Audible Message Device
- Warning Zone
- Existing Pedestrian Shade
- Sidewalk Barriers

Traffic Control

Alternate Pedestrian Route (APR) Detour

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GENERAL NOTES

When closing or detouring crosswalks or sidewalks, provide detectable temporary facility markers and include accessible features consistent with existing facilities. The alternate pedestrian route should NOTemony be used at all times.

Temporary traffic control devices for pedestrians are shown. Other devices may be necessary to control vehicle traffic. Stage work as necessary to provide an accessible pedestrian route, although temporary devices will be used on all streets. The temporary sidewalk surface will allow normal usage of wheelchairs, bikes, and other mobility devices. Concrete, asphalt, steel, rubber, wood (1 1/2 in. or greater), and plastic are acceptable surface materials for the temporary sidewalk surface. Sidewalks or other pedestrian surfaces are not accessible surface materials. The pedestrian traffic control devices controlling crosswalks will be elevated on the adjacent side. Post-mounted signs located adjacent to a crosswalk shall have a 7 foot minimum clearance from the bottom of the sign to the crosswalk edge. When a sign or barricade is located adjacent to a crosswalk with visibility to traffic, the sign or barricade is reduced enough to cause a hazard, relocate the sign/barricade with appropriate devices.

SPECIFIC NOTES

1. Temporary curbs ramps are detectable markers.

2. Sidewalks 25 feet long should be an extension travels line of bypass lane. Street face aisle will be maintained at least 90 feet in advance of the work zone.

3. The International Symbol of Access will be displayed when any portion of a walk zone has been designated to be fully accessible.

4. Temporary sign message for a temporary pedestrian signal should include the duration of the walk signal (numbered and bolded seconds) and a project contact number for 24/7 questions or reporting hazards.

5. See work notes for distance on placement and usage of barrier.
**TEMPORARY CURB RAMP**

**PARALLEL TO CURB**

1. **Non-Slip Surface**
2. **Clear Space**
3. **Edge Treatment**
4. **Drainage**
5. **Joint Gap Treatment**
6. **Protective Edging 2" Min. Height Above Ramp Surface**
7. **5/8" to 4" Wide Edge Marking**
8. **Protective Edging 2" Min. Height**
9. **Edge Treatment**
10. **Cross Slope 2% Max.**

**SPECIFIC NOTES**

1. **Curb Ramps** shall be 48 inches wide, with a firm, stable and slip resistant surface.
2. **Protective Edging** for a 2" Min. height shall be placed where a curb ramp or landing platform has a vertical drop of 6 inches or greater, or a side apron slope steeper than 1:4. Protective edging shall be considered when curb ramps or landing platforms have a vertical drop of 3 inches or more.
3. **Detectable Edging** with 6" Min. width, height and contrasting color shall be placed on all curb ramp landings where the walkway changes direction (turns).
4. **Curb ramps and landings** shall have a 2% Max. cross slope.
5. **Clear space** of 48" x 48" Min. shall be provided above and below the curb ramp.
6. **Protective Edging** with a 2" Min. height shall be placed when a curb ramp apron slope steeper than 1:3. Protective edging should be considered when curb ramps or landing platforms have a vertical drop of 3 inches or more.
7. **Water flow** in the gutter system shall not be impeded.
8. **Lateral joints or gaps** between surfaces shall be less than 1/2" wide.
9. **Changes** between surface heights shall not exceed 1/2". Lateral edges should be vertical up to 1/4" high, and beveled at 1:2 between 1/4" and 1/2" height.

**TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) RAMPS**

**PERPENDICULAR TO CURB**

1. **Protective Edging** 2" Min. Height Above Ramp Surface
2. **Protective Edging 2" Min. Height**
3. **Edge Treatment**
4. **Clear Space**
5. **Joint Gap Treatment**
6. **Edge Treatment**
7. **Drainage**
8. **Protective Edging 2" Min. Height Above Ramp Surface**
9. **2" to 4" Wide Edge Marking**
10. **Non-Slip Surface**
11. **Clear Space**

**TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) RAMPS**

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TEMPORARY WALKWAY SURFACE

GENERAL NOTES

1. RAILINGS OR OTHER OBJECTS MAY PROTRUDE A MAXIMUM OF 4 INCHES INTO THE WALKWAY CLEAR SPACE WHEN LOCATED A MINIMUM OF 27 INCHES ABOVE THE WALKWAY SURFACE.

2. ANY PEDESTRIAN DEVICES USED TO PROVIDE POSITIVE PROTECTION FOR PEDESTRIANS OR WORKERS SHALL MEET CRASHWORTHY REQUIREMENTS APPROPRIATE FOR THE BARRIER APPLICATION.

3. SIDEWALK BARRICADES SHALL BE PLACED ACROSS THE ENTIRE WIDTH OF THE WALKWAY SURFACE.

4. ALL DEVICES USED TO CHANNELIZE PEDESTRIAN FLOW SHOULD INTERLOCK SUCH THAT GAPS DO NOT ALLOW PEDESTRIANS TO STRAY FROM THE CHANNELIZED PATH.

SPECIFIC NOTES

1. ANY TRIPPING HAZARD ON THE WALKWAY NEARS A DETECTABLE EDGE. RAILINGS SHALL BE LOCATED DEPENDENT ON EXTERNAL TO THE DEVICE, ANY SUPPORT ON THE FRONT OF THE DEVICE SHALL NOT EXTEND INTO THE 48 INCH MINIMUM WALKWAY CLEAR SPACE AND SHALL NOT EXCEED 0.5 INCHES IN HEIGHT ABOVE THE WALKWAY SURFACE.

2. DETECTABLE EDGES SHALL BE CONTINUOUS AND A MINIMUM OF 2 INCHES HIGH ABOVE THE WALKWAY SURFACE AND HAVE COLOR MARKINGS CONTRASTING WITH THE WALKWAY SURFACE. THE DETECTABLE EDGE AROUND A PORTABLE SIGN STAND SHOULD BE PLACED IN THE WALKWAY AREA IN WHICH THE SIGN POSSIBLY COULD BE LOCATED TO A VISUALLY IMPAIRED PEDESTRIAN.

3. DEVICES SHALL NOT BLOCK WATER DRAINAGE FROM THE WALKWAY, A GAP HEIGHT OR OPENING FROM THE WALKWAY SURFACE UP TO A MAXIMUM OF 2 INCHES IS ALLOWED FOR DRAINAGE PURPOSES.

4. WHEN HAND GUIDANCE IS REQUIRED, THE TOP EDGE OR TOP SURFACE SHALL - BE IN A VERTICAL PLANE PERPENDICULAR TO THE WALKWAY-ABOVE THE DETECTABLE EDGE, - BE CONTINUOUS AT A HEIGHT OF 34 TO 38 INCHES ABOVE THE WALKWAY SURFACE, AND - BE SUPPORTED WITH MINIMAL INTERFERENCE TO THE PEDESTRIAN'S HANDS OR FINGERS.

5. ALL DEVICES SHALL BE FREE OF SHARP OR ROUGH EDGES, AND FASTENERS (BOLTS) SHALL BE ROUNDED TO PREVENT HARM TO HANDS, ARMS OR CLOTHING OF PEDESTRIANS.

6. TEMPORARY WALKWAY SURFACES SHALL PROVIDE A FIRM, STABLE, FREE-DRAINING AND NON-SLIP SURFACE. TEMPORARY WALKWAY SURFACES SHALL ALLOW NORMAL USAGE OF WHEELCHAIRS, WALKERS, STROLLERS, OR OTHER MOBILITY DEVICES. ACCEPTABLE SURFACE MATERIALS INCLUDE RUBBER, WOOD (3/4 INCHES OR THICKER), AND PLASTIC. CONCRETE, BITUMINOUS, STEEL, OR OTHER MATERIALS ARE NOT ACCEPTABLE SURFACE MATERIALS.

7. TEMPORARY WALKWAY SURFACES SHALL PROVIDE A FIRM, STABLE, FREE-DRAINING AND NON-SLIP SURFACE. WHEN LOCATED A MINIMUM OF 27 INCHES ABOVE THE WALKWAY SURFACE, AND HAVE COLOR MARKINGS CONTRASTING WITH THE WALKWAY SURFACE. DETECTABLE EDGES SHALL BE CONTINUOUS AND 6 INCHES MIN. HIGH ABOVE WALKWAY SURFACE.

8. temporary walkway surfaces shall provide a firm, stable, free-draining and non-slip surface. temporary walkway surfaces shall allow normal usage of wheelchairs, walkers, strollers, or other mobility devices. acceptable surface materials include rubber, wood (3/4 inches or thicker), and plastic. concrete, bituminous, steel, or other materials are not acceptable surface materials.

9. longitudinal channelizing devices for pedestrians shall be 32 inches high or greater.

10. surface vertical discontinuities should not exceed 0.25 inches. if it does see "edge-treatment detail" on the tpar ramp sheet.

11. an edge of the framing may be removed if it is not needed for ped guidance. stability of the detectable edge should be maintained.

TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) WALKWAY DEVICES

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