

ADA & Construction

Engineering Services, Spring Meeting

March 4, 2010

Harry Kroos, Sidewalk Services 402 441-8405



R205 Alternate Pedestrian Access Route
When an existing pedestrian access route is blocked by construction, alteration, maintenance, or other temporary conditions, an alternate pedestrian access route shall be provided.

Guidelines for Accessible Public Rights-of-Way

GUIDING PRINCIPLES & PROCEDURES (GPP)

OF ACCESSIBILITY IN THE PUBLIC RIGHT-OF-WAY DURING CONSTRUCTION

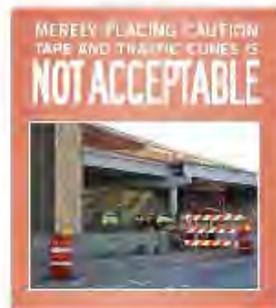
BACKGROUND

Why the Need for Construction Guidelines in Public Right-of-Way? Local jurisdictions, and other entities covered by the ADA, must ensure that the facilities they build or alter are accessible to people with disabilities. (or allow to be built or altered by others)

The Americans with Disabilities Act (ADA) of 1990 is a civil rights statute that prohibits discrimination against people with disabilities. ADA implementing regulations for Title II prohibit discrimination in the provision of services, programs, and activities by state and local governments. Designing and constructing pedestrian facilities in the public right-of-way that are not usable by people with disabilities may constitute discrimination. Section 504 of the Rehabilitation Act of 1973 (504) includes similar prohibitions in the conduct of federally-funded programs.

A permit or permission to work in the public way is required whenever construction activities occur in the public rights-of-way of City of Lincoln. This guide is intended to give you a summary of what is required and what must be done

to ensure pedestrian accessibility is maintained throughout the period of time construction is underway. This does not just apply to the final product, but accessibility must be maintained during the actual construction.



Construction in the public way can be particularly hazardous to pedestrians with either visual or mobility impairments. Therefore, it is critical that each construction site is properly and adequately protected with a barrier or barricade. Merely placing caution tape and traffic cones is not acceptable. The guidelines contained herein are based on the requirements of the MUTCD standards, chapter 6 (2003), the Access Board's Guidelines for Accessible Public Rights-of-Way (2005 Revised), and City of Lincoln's Traffic Control Guidelines for Street Construction, Maintenance, and Utility Operations (2010 edition).



Remember that pedestrian accessibility must be provided during construction for all people of all ages, including those with different types of disabilities.

Consider the following when laying out construction sites:

- **Advanced warning and guidance signs**
- **Adequate illumination and reflectors**
- **Use of temporary walkways**
- **Channeling and barricading to separate pedestrians from traffic**
- **Adequate barricading to prevent visually impaired pedestrians from entering work zones**
- **Wheelchair accessible alternate pedestrian circulation routes with appropriate signage**

PEDESTRIANS AND ADA PROCEDURES 11

- Pedestrian pathway(s) shall be ADA compliant. Barricades and channelizing devices shall comply with the MUTCD. Pedestrians shall be guided in a clear and positive manner throughout the temporary traffic control zone.
- Pedestrian and ADA access shall be maintained throughout the period of construction/maintenance. Maintenance of pedestrian detours and diversions necessitated by the contractor's work shall remain the responsibility of the contractor until such a time as the detoured and diverted pedestrians can safely return to their normal course of travel as determined by the Department of Public Works & Utilities Traffic Operations Section.

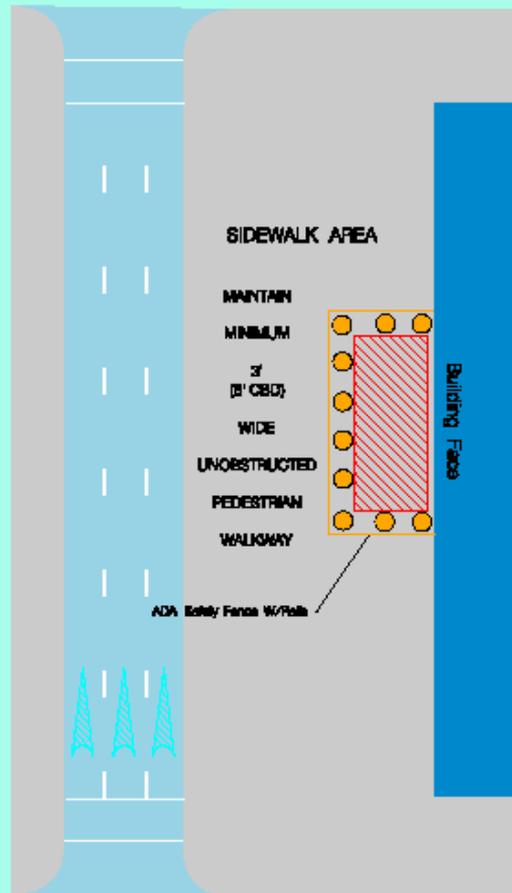


- Alternate pedestrian circulation routes shall be signed to clearly and safely direct pedestrians along a temporary or alternate path and shall have a minimum width of 3 feet (5 feet in central business district) and parallel the disrupted pedestrian access route when practicable.
- Channeling and barricading shall be used to separate the pedestrians from the traffic when sharing the roadway.
- Surfaces, for the pedestrians to use, shall be firm (non-granular), stable, and slip resistant.

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WORK IN THE PEDESTRIAN AREAS

Maintain a clear and unobstructed pedestrian walkway around the work zone, or post warning signs for closures at adjoining intersections.



The PSS logo features the letters 'PSS' in a bold, white, sans-serif font. The letters are set against a stylized background of overlapping geometric shapes in shades of blue, green, and orange, all contained within a white diamond shape.

PSS

Plastic Safety Systems

Safety Rail™

**ADA-Compliant
Pedestrian Barricade**

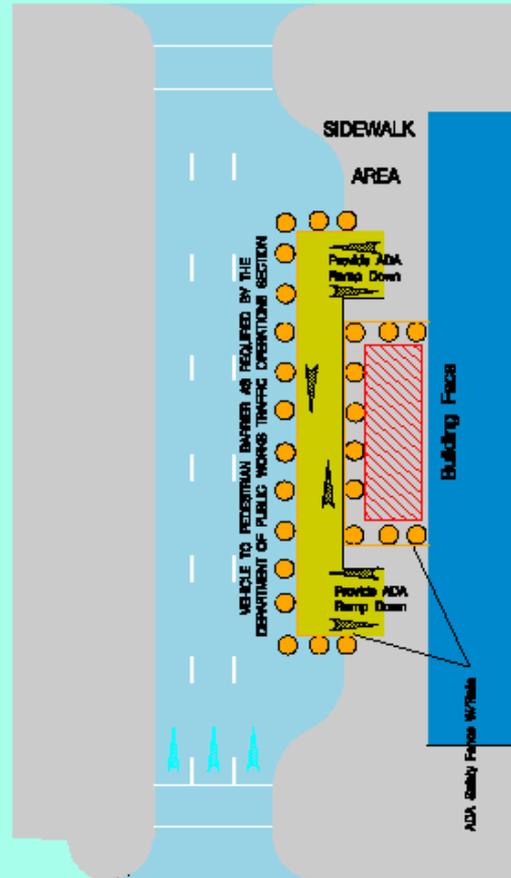
*"On The
Roadway
for
Safety"™*



WORK IN THE PEDESTRIAN AREAS

PEDESTRIAN DETOUR IN CENTRAL BUSINESS DISTRICT (CBD)

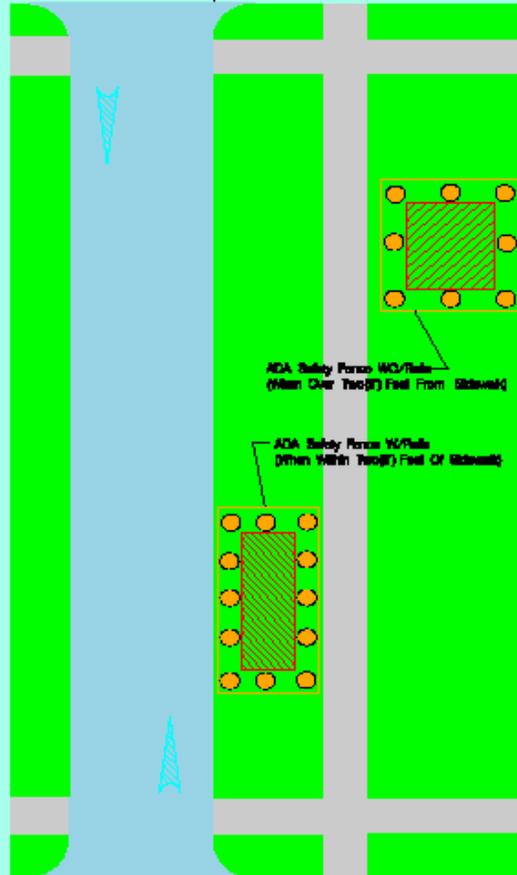
Maintain a minimum of 5' unobstructed pedestrian walkway around the work zone using constructed walkway or protected area as designated by the Department of Public Works Traffic Operations Section.



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WORK IN THE PEDESTRIAN AREAS

Protection of Excavations & Hazards
not in roadways or sidewalks





Sidewalk is the only pedestrian connection between Military Ave and Claremont St.

No sign or warning to pedestrians at Claremont that the sidewalk is closed ahead

Utility project N. 10th St. Claremont to Military



No provisions made for pedestrians around work site.

Temporary hard surfaced sidewalk must be constructed around the work area.

Sidewalk closure N. 10th Street



Temporary sidewalk surfacing must be concrete, asphalt or approved hard surfaced material.

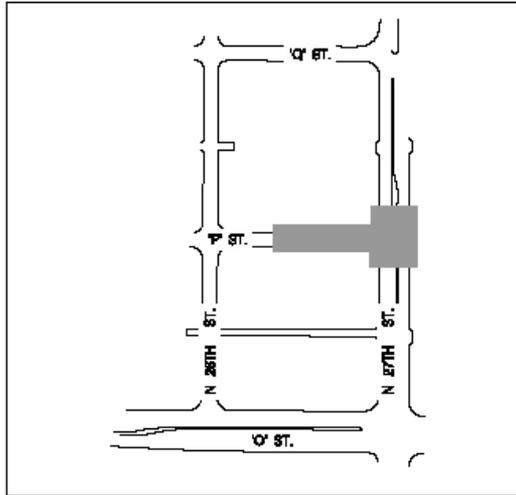
Granular surfacing does not provide smooth surface for wheel chair users and will not be approved

Temporary Sidewalk Surfacing

CITY OF LINCOLN, NE (2010) N 27TH & 'P' STREETS TRAFFIC SIGNAL REHABILITATION #701614A

 CITY OF LINCOLN NEBRASKA	PROJECT NO.	701614A	DESIGN NO.	1
	DATE	10/20/09	DATE	10/20/09

SHEET NO.	SHEET INDEX
1	COVER
2	GENERAL NOTES & SUMMARY OF QUANTITIES
3	HORIZONTAL CONTROL
4-7	PEDESTRIAN DETOUR ROUTE
8	CONSTRUCTION AND REMOVAL
8-11	TRAFFIC SIGNAL AND LIGHTING



PROJECT CONTACT

**ENGINEERING SERVICES
TRAFFIC OPERATIONS**
631 WESTGATE BLVD.
LINCOLN, NE 68508
ATTN: SCOTT OFFER...461-7898

BLACK HILLS ENERGY
1800 WINDHOCK DR.
LINCOLN, NE 68502
ATTN: PAT BARTLE...437-1787

UNL PHYSICAL PLANT
ATTN: CLARKE DEVERE
17TH & 'P' STS.
LINCOLN, NE 68508
ATTN: CLARKE DEVERE...478-8781

WINDSTREAM
401 S. 28TH ST.
LINCOLN, NE 68502
ATTN: JIM BARTLE

TIME WARNER CABLE
840 S. 18TH ST.
LINCOLN, NE 68502
ATTN: LOU KIPPER...482-0888

LINCOLN ELECTRIC SYSTEM
P.O. BOX 66886
LINCOLN, NE 68501
ATTN: LYNN REISCHNIDER...467-7888



PRIOR TO CONSTRUCTION:

CALL 1-800-861-6888 OR 417 FOR LOCATION OF UNDERGROUND TELEPHONE, ELECTRIC GAS MAINS, CABLEVISION AND CITY OF LINCOLN UTILITIES.

NOTE: EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE AND PROTECT EACH EXISTING UTILITY BEFORE AND DURING ACTUAL CONSTRUCTION.



APPROVED FOR CONSTRUCTION

CITY ENGINEERS OFFICE

DATE
COVER
107-D-856

PROJECT NO. 701614A
 SHEET NO. 1
 DATE 10/20/09
 DRAWN BY [unreadable]
 CHECKED BY [unreadable]

107-D-856

This document was originally issued and is hereby certified by E. Sordun, E-2777, on 12-19-2009. This needs should not be considered a certified document.



Contractors must obtain a street use permit prior to occupying the public right-of-way. Permit applicant will be required to submit a pedestrian plan prior to approval of work which will close any sidewalk or pedestrian corridor.

Private Construction in the right-of-way



Plumbers and utility contractors must obtain approval from the Traffic Operations Section prior to closing any public sidewalk.

Any closures greater than 48 hours will require a temporary sidewalk or pedestrian detour plan

Utility excavations in the sidewalk space

GUIDING PRINCIPLES & PROCEDURES (GPP)

OF ACCESSIBILITY IN THE PUBLIC RIGHT-OF-WAY DURING CONSTRUCTION

R302.2 Location. To the maximum extent feasible, the alternate circulation path shall be provided on the same side of the street as the disrupted route.

Existing Walkways: Where it is not feasible to provide an alternate circulation path on both sides of the street, the alternate circulation path shall be provided on the side of the street that the alternate path provides a single wall or enclosure that is not a sloped side. This may include the installation of detectable pedestrian signals (DPS), crosswalks, or other accessible features.

R302.3 Protection. Where the alternate circulation path is exposed to adjacent construction, excavation drop-offs, traffic, or other hazards, it shall be protected with a pedestrian barricade or channelizing device complying with R302.4.

Existing Traffic: Where it is necessary to close traffic to the department's use of a crosswalk that is necessary for construction or construction activity, alternate measures to provide safe ramp access to the pedestrian walkway. This may include the installation of pedestrian channelizing devices (only a single channelizing device shall be used).

Construction: Where it is necessary to close traffic to the department's use of a crosswalk that is necessary for construction or construction activity, alternate measures to provide safe ramp access to the pedestrian walkway. This may include the installation of pedestrian channelizing devices (only a single channelizing device shall be used).

R302.4 Pedestrian Barricades and Channelizing Devices. Pedestrian barricades and channelizing devices shall be continuous, stable, and non-flexible and shall consist of a wall, fence, or enclosure specified in section 6F-58, 6F-63, and 6F-66 of the MUTCD (incorporated by reference; see R104.2.4).

R302.4.1 Detectable Base. A continuous bottom edge shall be provided 150 mm (6 in) maximum above the ground or walkway surface.

R302.4.2 Height. Devices shall provide a continuous surface or upper rail at 0.9 m (3.0 ft) minimum above the ground or walkway surface. Support members shall not protrude into the alternate circulation path.

IMPORTANT

ALL DESIGN PROJECT MANAGERS SHOULD ENSURE THE ABOVE REQUIREMENTS ARE ADDRESSED IN DURING PROJECT DEVELOPMENT, DECISIONS RECORDED IN THE PROJECT FILE AND DEALT WITH IN THE SPECIAL PROVISIONS PREPARED FOR CONSTRUCTION PROJECTS!

ALL CONSTRUCTION PROJECT MANAGERS SHOULD ENSURE THE ABOVE REQUIREMENTS ARE ADDRESSED IN SPECIAL PROVISIONS AND ADHERED TO DURING PROJECT CONSTRUCTION, DEALT WITH REGARDING ANY CHANGES DURING CONSTRUCTION, AND DECISIONS RECORDED IN THE PROJECT FILE!

ALL OTHERS, INCLUDING BUT NOT LIMITED TO SITE SUPERVISORS, DESIGN PROFESSIONALS, CONTRACTORS, PERMIT ISSUERS, PERMIT HOLDERS, UTILITY REPRESENTATIVES SHOULD ENSURE THE ABOVE REQUIREMENTS ARE ADDRESSED IN CONSTRUCTION DOCUMENTS, PERMITS, PROJECT SPECIAL PROVISIONS, AND ARE ADHERED TO DURING PROJECT CONSTRUCTION, DEALT WITH REGARDING ANY CHANGES DURING CONSTRUCTION, AND DECISIONS ARE BOTH COMMUNICATED TO THE CITY AND DOCUMENTED BY ALL.