

SECTION A-800. Sidewalk design and construction.

- A. Sidewalk design and construction: Sidewalk design and construction shall be to the following standards:
1. Sidewalk materials.
 - a. No walk shall be poured unless the subgrade, compacted granular base, forms, grade and alignment have been inspected and approved by the Community Development Department. **[Amended 3-1-2016 by Ord. No. 7200]**
 - b. Sidewalks shall be constructed on a well-compacted subgrade.
 - c. The base course shall consist of a minimum of two inches of compacted CA-6 gravel, Grade 8 or 9. Sand and pea gravel are not acceptable as a base course material.
 - d. The surface shall be constructed with a six-bag cement mix per cubic yard of concrete. The aggregate gradation incorporated shall meet the minimum requirements of Class S1 concrete as specified by IDOT Standard Specifications, Sections 703 and 704.
 - e. A curing compound shall be applied to all finished surfaces. Alternate methods of curing may be used as specified in Section 625.04 of the IDOT Standard Specifications.
 2. Sidewalk design.
 - a. The finish grade of the sidewalk shall be established by the City Engineer. However, general criteria includes a minimum pitch to the street of 1/4 inch per foot of width, and the grade of the finished walk shall have sufficient fall from the edge of the walk to the curbline to provide sufficient drainage which shall be 1/4 inch to 1/2 inch per foot.
 - b. The sidewalk finish surface shall have a broom finish and shall have contraction joints on five-foot centers, and 1/2 inch full depth expansion joints every 50 feet. Expansion joints shall also be required where the walk abuts an existing walk, a curb, driveway, approach, building, or as directed by the City Engineer. Contraction joints shall not exceed 1/3 the thickness of the finished walk. All joints and edges of the walk shall be tooled. Preformed expansion joint material shall meet the requirements of Section 715 of the IDOT Standard Specifications.
 - c. Water service boxes shall not be located in the sidewalk slab. In the event of a conflict, the contractor shall contact the Public Works Department for further instructions. **[Amended 3-1-2016 by Ord. No. 7200]**
 - d. The area around all walks and approaches must be backfilled, graded and seeded. Excess dirt and concrete must be cleaned away by the contractor, leaving the right-of-way in a neat, workmanlike condition.
 - e. The finish grade of the sidewalk shall meet the latest guidelines and standards of the American with Disabilities Act. General criteria includes a minimum pitch to the street of 1/4 inch per foot of width, and the grade of the finished walk shall

have sufficient fall from the edge of the walk to the curblin to provide sufficient drainage which shall be 1/4 inch to 1/2 inch per foot. **[Added 6-3-2014 by Ord. No. 7034]**

3. Cold weather pours: Special attention shall be given to pouring concrete in cold weather as follows:
 - a. Unless authorized by the City Engineer, the placing of concrete shall not commence unless the ambient air temperature is 35° F. and rising. Operations shall cease and finished work protected if the temperature drops below that level.
 - b. Protection after placing concrete shall be in place for at least four days as follows:

Cold Weather Protection	
Minimum Temp.	Protection
25° F. through 32° F.	2 layers of polyethylene
Below 25° F.	12 inches of straw covered with 2 layers of polyethylene

- c. If calcium chloride is added to the concrete mix, it may be added only in liquid form as part of the mixing water at the batch plant and shall not exceed 2% by weight of the amount of cement in the concrete.
 - d. No material containing frost shall be used.
 - e. No sidewalk shall be placed on a frozen base or subgrade.
4. Private sidewalks: The same material and construction specifications apply to sidewalks erected on private property. **[Amended 3-1-2016 by Ord. No. 7200]**
5. Traffic control/pedestrian safety: It is the responsibility of the permit holder or his/her agent/contractor to supply warning devices, barricades, etc., to protect the work and to warn of any excavations, material stockpile, drop-offs, or any condition constituting a pedestrian or traffic hazard.