

CITY OF PRESTON

SIDEWALK REPLACEMENT/CONSTRUCTION PROGRAM MINIMUM SPECIFICATIONS

1. TRAFFIC CONTROL

- a. Sidewalks under construction shall be barricaded or fenced to protect pedestrians during removal of existing sidewalk and construction of new sidewalk.

2. CROSS SLOPE

- a. All Sidewalks shall slope to the street at a rate of $\frac{1}{4}$ inch per foot (2%).

3. MATCHING EXISTING WALKS

- a. The width and location of a new sidewalk shall be varied to match the width and location of existing sidewalks in the area. However, the sidewalk width shall not be reduced to less than 4', unless approved by the Public Works Department.
- b. Sidewalk cross slope may be varied through a gradual transition to match existing adjoining walks. Contact the Public Works Department if existing adjoining sidewalks vary significantly from current standards.
- c. Sidewalks should be installed parallel to the street whenever possible. Deviation may be permitted to avoid conflicts such as trees and power/utility poles. Contact City Hall if you encounter an obstacle.
- d. Contact City Hall if any utilities (sanitary sewer/storm sewer manholes, storm sewer intakes, shut off valves, water valves, telephone pedestals, etc.) interfere with the typical location of the sidewalk or require adjustment. The City will adjust the shut off valve if it is located within the sidewalk at no cost to the homeowner. The Public Works Supervisor will come out to the site and determine the most appropriate remedy to the conflict.
- e. Remove all roots from the sidewalk area which may impact the finished sidewalk construction currently and in the future.

4. MATERIAL AND THICKNESS

- a. All the material which will be displaced by the sidewalk including all soft, spongy or yielding spots and all vegetation or other perishable matter shall be removed. Sidewalk sub-grade should be brought to a firm unyielding surface of 4 inches in depth with aggregate by tamping with a hand tamper weighting not less than 50 pounds. Vibrating tampers will be permitted when granular sub-grade is used. Compacted 1-inch crushed road stone or approved equal is an acceptable sub-grade (sand is not acceptable.)
- b. Sidewalks shall be constructed of Portland Cement Concrete conforming to the Iowa Department of Transportation standard of C-4 mix with 4,500 psi, 28-day compression strength. Maximum slump shall be three (3) inches.
- c. Sidewalks 4 to 5 feet wide have a minimum thickness of 4 inches. Sidewalks greater than 5 feet wide shall have a minimum thickness of 5 inches. All sidewalks crossing driveways shall be a minimum of 6 inches thick.
- d. All sidewalks shall be reinforced with a minimum of #3 rebar ($\frac{3}{8}$ " diameter) spaced at 18" both ways. Take care to properly place reinforcement at mid depth of concrete.

Reinforcement shall be inspected by the Public Works Department prior to placing concrete.

- e. Pedestrian ramps at street and alley intersections must meet current ADA standards. All grade modifications to meet the maximum slope requirement are the responsibility of the property owner. The City of Preston will provide detectable warning panels (or full material payment) to the property owner's contractor for placement within the pedestrian ramp. Any replacement of curb necessary to meet the current ADA standard will be the responsibility of the property owner. Concrete necessary for the replacement will be included for payment at the specified rate of the current sidewalk program. The City of Preston will waive any curb cut permitting or fees.

5. JOINTS AND FINISH

- a. Sidewalks shall have a uniform texture with a broom finish.
- b. All driveway areas shall not be less than six (6) inches in thickness.
- c. Concrete damaged by rain or freezing must be removed and replaced.
- d. Finish edges of sidewalk with an edging tool having a radius of approximately ½ inch. Broom sidewalk surface with a soft broom at right angles to the side forms.

6. CITY OF PRESTON INSPECTION

- a. A sidewalk inspection with the City of Preston is required 24 hours prior to pouring any concrete. A City inspector will review the layout, forms, and reinforcement to ensure compliance with the current sidewalk standards.
- b. The City will dispose of the concrete if requested. Notify City Hall of this request, 563-689-3081.
- c. A final sidewalk inspection with the City of Preston is required upon completion of the project, prior to the City providing any payment to the property owner. Any deficiencies found must be corrected prior to the City providing any payment.