

**PLANS AND SPECIFICATIONS FOR SIDEWALKS  
AS ADOPTED BY THE CITY OF EMPORIA, KANSAS  
7-96 (Homeowner Option)**

All sidewalks installed on public property shall be constructed in accordance with the provisions of Article III, Chapter 24 of the Code of the City of Emporia, Kansas and with the following provisions:

1. **BARRICADES:** Sidewalks replaced shall be barricaded at each end and shall remain barricaded throughout the entire phase of the replacement up to and including three (3) days after placing the concrete. The methods of protection and control shall be followed according to the manual of the City of Emporia's "TRAFFIC CONTROLS FOR STREET CONSTRUCTION AND MAINTENANCE OPERATIONS."
2. **CONSTRUCTION MATERIALS:** All sidewalks shall be constructed with a minimum of 4000 pound Class A Concrete, unless other materials are approved by the City Building Official.
3. **WIDTH:** All sidewalks shall match the width of adjacent sidewalks, but in no case shall be less than four (4) feet in width.
4. **THICKNESS:** All sidewalks shall be a minimum of four (4) inches in thickness except where a driveway crosses the walk, then the thickness shall be increased to six (6) inches. Where commercial traffic uses the driveway, 12" X 6" steel mesh shall be used.
5. **CONTRACTION JOINTS:** Four-foot wide sidewalks shall have contraction joints on 4'-0" centers, formed or cut at least one (1") deep. Five-foot wide sidewalk shall have a contracting joint every five (5) feet.
6. **SLOPE:** All sidewalks shall have a slope of one-fourth (1/4) inch to the foot sloping toward the street.
7. **FINISH:** All edges rounded with a 1/4 inch radius edger. A broom finish is preferred, however, the finish should match that of existing adjoining sidewalk.
8. **LOCATION:** All sidewalks shall be located within one (1) foot of the property line unless it is necessary to be further from the property line to match the location of sidewalks on either or both sides of the property involved.
9. **GRADE:** All sidewalks shall be installed parallel to the grade of the street. On corner lots, sidewalks shall be installed at a level so that handicapped ramps can be installed at a 12 - 1 slope with the newly constructed sidewalk.
10. **MATCH EXISTING SIDEWALKS:** All sidewalks shall abut adjoining sidewalks in a flush manner at the same level. Where the grade of the two (2) sidewalks is different,

they shall be matched with a slope no greater than three (3) inches per five (5) lineal feet.

11. EXPANSION JOINTS: Expansion joints shall be constructed every fifty (50) feet and at the end points of new sidewalks and at connections to existing sidewalks. Where curb is replaced, an expansion joint shall be placed at the radius point.

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12. STEPS: No steps shall be allowed in any public sidewalk.

13. PLACING CONCRETE: The subgrade shall be moist but not muddy at the time of placing concrete. If necessary, to obtain the desired moisture content in the subgrade, the soil shall be wetted to a depth of three (3) inches the day before placing concrete. The subgrade shall be sufficiently moist that it will not absorb moisture from the concrete. Concrete slump shall not exceed four (4) inches.

14. CURING WITH COMPOUND: Use white pigment only. Immediately after the concrete has received its final finish, curing compound shall be sprayed uniformly over the entire surface area of the concrete in sufficient quantity to provide a waterproof coating.

15. BACKFILL: All materials to be used as backfill abutting the sidewalk shall be replaced to the same condition as good or better than before. Such backfill shall be free of stones, twigs or other debris greater than one-half (1/2) inch in diameter. Backfill shall be graded to a maximum of 6 - 1 grade and to provide proper drainage. Surplus concrete shall be removed from the site and shall not be used as backfill material.

16. FINAL CLEAN UP: Immediately after completion of the replacement work, all form material, concrete debris, all unused material, refuse, fill, or dirt placed on the site or near the work shall be removed from the public and private properties including the street and shall conform to a neat and clean condition as directed and approved by the City sidewalk inspector.

17. HANDICAPPED RAMPS AND CONNECTING SIDEWALKS: When the property owner has a bonded contractor replace sidewalk next to a corner lot, the City may elect to hire the same contractor to install new handicapped ramps and connecting sidewalk according to the attached plan. The City will reimburse the contractor at the current average low bid price for each handicapped ramp and connecting sidewalk. The cost of connecting sidewalk and handicapped ramps shall not be included in the homeowner's share.

18. CURB AND GUTTER: The first ten (10) foot of curb and gutter replacement is

subsidiary to the handicapped ramp. Additional curb and gutter may be designated by the City inspector to be removed to maintain the structural integrity and ensure proper drainage. The City will reimburse the contractor for additional curb and gutter at the current average low bid price.

19. DOWELS: Sidewalk next to curb shall be doweled every two (2) feet with eight (8) inch long Number 3 rebar. Smooth Number 5 capped dowels shall be placed at the end of curb radius points when curb and gutter replacement traverses the ECR.

20. PAYMENT: Payment will be made the month following construction completion.