

321101 CEMENT CONCRETE PAVEMENT

1. Graffiti Protection: Wet concrete pavements shall be protected from graffiti. If graffiti is present, concrete shall be removed by Contractor and replaced at Contractor's expense.
2. Concrete pavements shall be given a medium-to-fine textured finish, and two coats of a curing and sealing compound.
3. Consider the use of admixtures which are advisable because of anticipated temperature ranges during cure, and which will improve the properties of concrete.
4. Driveways and sidewalks will be constructed assuming a dual function as service vehicle access ways and shall be minimum 8" thick concrete on minimum 6" crushed gravel or crushed stone base per KU Standard Detail.
5. Stamped Cement Concrete Pavement Systems: Bomanite Corporation is the preferred manufacturer. Installer shall be approved by manufacturer. Coordinate patterns and colors with the University at the pre-final design submission. Surfaces shall be sealed or coated with skid-resistant products.
6. All curbs by driveways and parking areas shall be concrete.
7. Do not use exposed aggregate finish on concrete walks where salting or snow removal will be required.
8. Provide curing and sealing compound for concrete surfaces.
9. Locate sidewalks to suit locations where pedestrians would normally walk, rather than strictly in accordance with symmetry of design. Coordinate with the University.
10. Blankets or other methods shall be employed to protect concrete being installed during cold weather. Comply with ACI 306.1 for cold-weather protection.
11. Exterior stairs, regardless of the number of risers, shall be provided with handrails in accordance with section 055200. Additionally, each step shall have an integral, cast-in-place, non-slip nosing installed on the leading edge. This nosing shall be a high contrast color (black) to provide better definition between the step edge and concrete riser.
12. Standard widths of sidewalks:
 - a. Secondary walks for pedestrian use only shall be a minimum of 10'-0" wide or match adjacent sidewalk width, whichever is greater.
 - b. Primary walks shared by pedestrians and emergency vehicles shall be a minimum of 15'-0" wide.

13. All sidewalks shall be designed to not exceed a 2% cross slope. Running slopes, cross slopes, landings, railings shall comply with ADA Accessibility requirements. Efforts should be made to design new sidewalks to keep the running slopes below the threshold that requires installation of handrails.