

Test loads applied to frames, covers and grating are covered by several specifications. The two most widely used are American Association of State Highway Officials (AASHTO) and the Department of Transportation .

Contained in the AASHTO requirements section "Highway Bridges" is the H - 20 load requirement. H - 20 refers to a load of 40,000 lbs or 40 kips. Maximum axle and wheel loads are referred to as a decimal portion of V. Maximum wheel load shown below is 0.4 V or 16,000 lbs (0.4 X 40,000).

The Federal Specification RR-F-621 includes frames, covers, grates, etc. Under this specification, the wheel loading for tests is 25,000 lbs unless other special requirements are to be met.

Clay & Bailey tests to the Federal specification RR-F-621. Thus all manholes comply with the most stringent requirements known to the industry.

